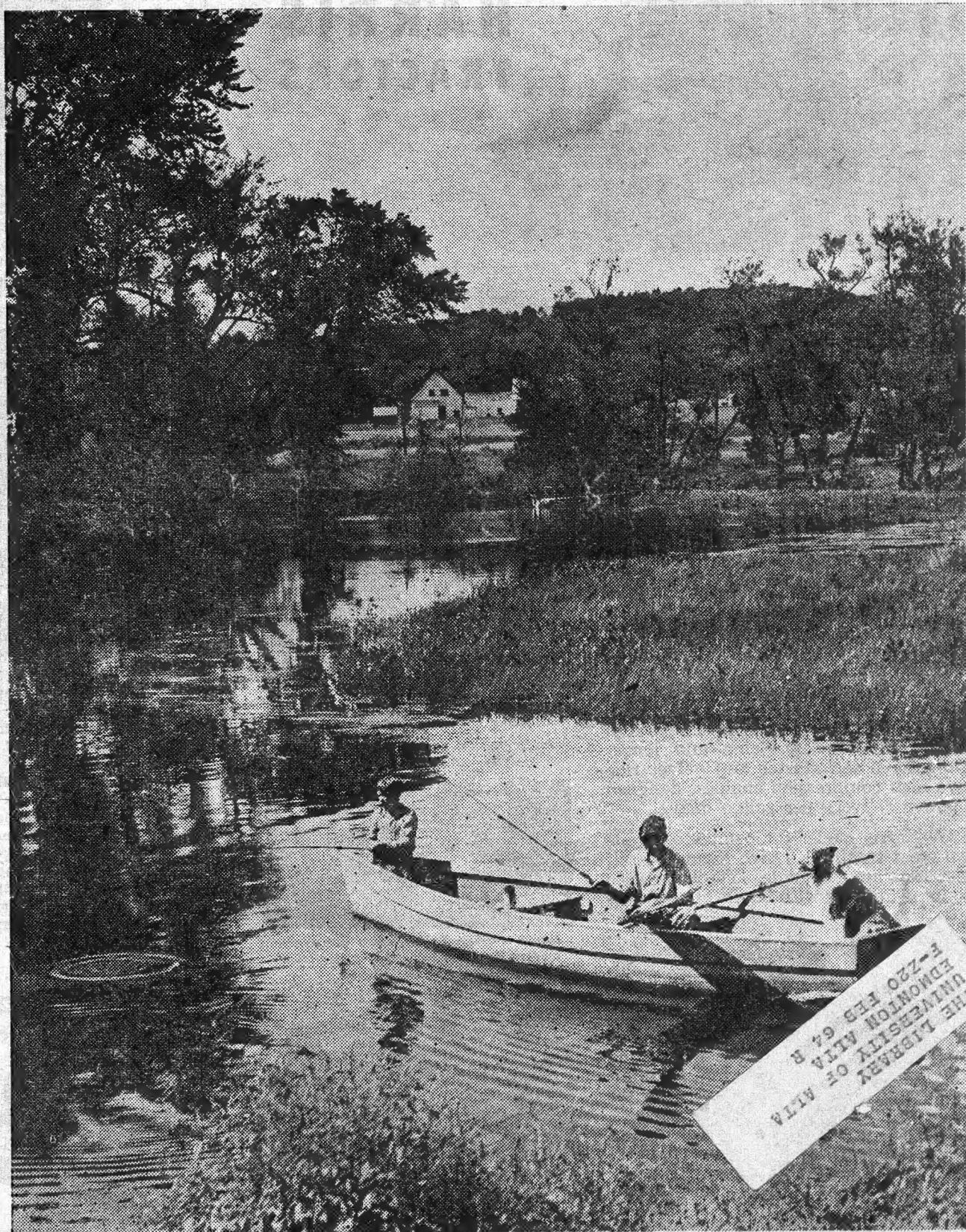


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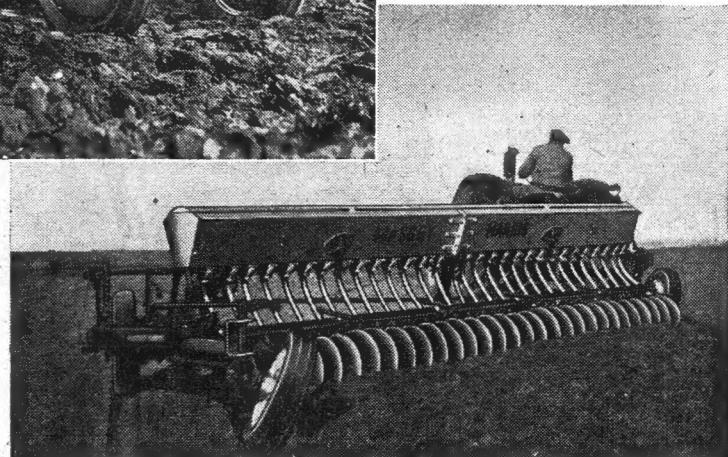
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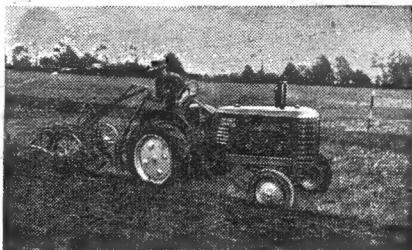
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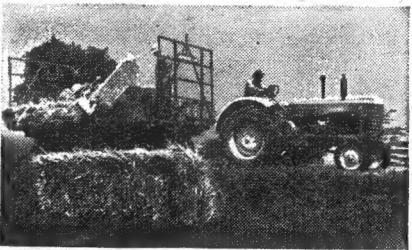
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A third consideration is incorporating beauty throughout the grounds. It is possible to have the school grounds rich in interest all through the year by the employment of trees and shrubs alone. Flower borders may be worked into the scheme by placing them in the bays of shrubbery. However, flower borders require considerable care and expense. Moreover, as the zenith of display is mostly during July and August, their beauty unfolds during the vacation season and the pupils will not be present to enjoy the colors and fragrances. Most rural schools are without flower borders. Others have the advantage of summer gaiety through the presence of many herbaceous plants adorned with attractive bright colors. These add charm that is appreciated when garden parties are staged at the school. (Morden)



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Notice is hereby given that the Board of Directors has declared a dividend at the rate of 5% on the paid-up par value of Class "A" (Preferred) Shares (par value \$20.00 each). This dividend will be paid on or about September 1st, 1949, to holders of such shares of record at the close of business on Saturday, July 30th, 1949.

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Farm and Ranch Review

VOL. XLV. No. 8

CALGARY, AUGUST, 1949

Founded in 1905 by
Chas. W. PetersonJames H. Gray, Editor
Martha Olson, Home Editor

P. Peterson,

Advertising Manager
EASTERN ADVERTISING OFFICES
414 Metropolitan Bldg.
Toronto, Ont.

W. H. Peirce, Representative

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Published Monthly by
Farm and Ranch Review LimitedPrinted by Western Printing &
Lithographing Co. Ltd.
Graphic Arts Bldg., Calgary, Alta.Entered as Second-class Mail
Matter at the Post Office,
Calgary, Alta.Member of the
Audit Bureau of Circulations

Bragg Creek wins Farm and Ranch Award

THE Farm and Ranch Review first prize of \$150 for the best historical and community exhibit in the 1949 Calgary Stampede parade was won this year by Bragg Creek.

The town of Nanton, which won the first prize last year was the second prize winner this year. Second prize was \$100.

The Meadowbrook entry was awarded the \$50 third prize.

The 1949 parade was the longest, most colorful on record and was witnessed by a crowd estimated at more than 75,000. It was but a prelude to a record-breaking week at the Stampede when upwards of 400,000 persons passed through the gates.

Sask. to encourage British trade

REGINA—To impress the people of Saskatchewan with the importance of purchasing British goods wherever competitive in efficiency and price, the week September 26 to October 1 has been proclaimed "British Trade Week" by order-in-council, Co-operatives Minister L. F. McIntosh announced.

The actual program will be administered and co-ordinated through the Trade Services Division of the Department of Co-operation. Civic officials throughout the province will be asked to request merchants and traders in their respective communities to feature and further the sale of British goods during British Trade Week.



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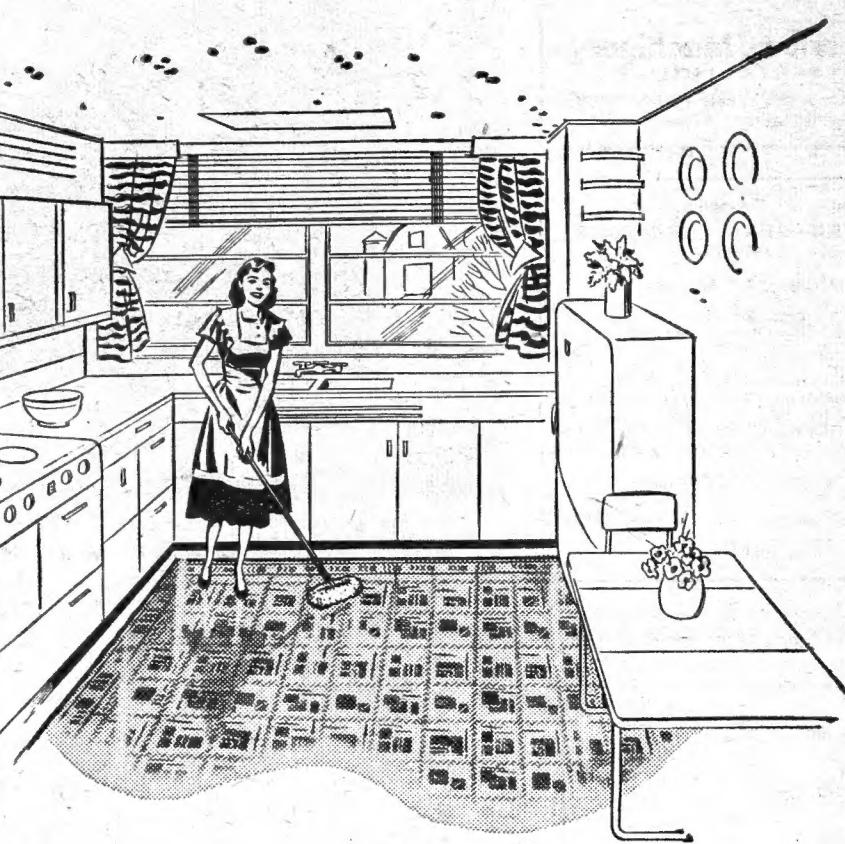
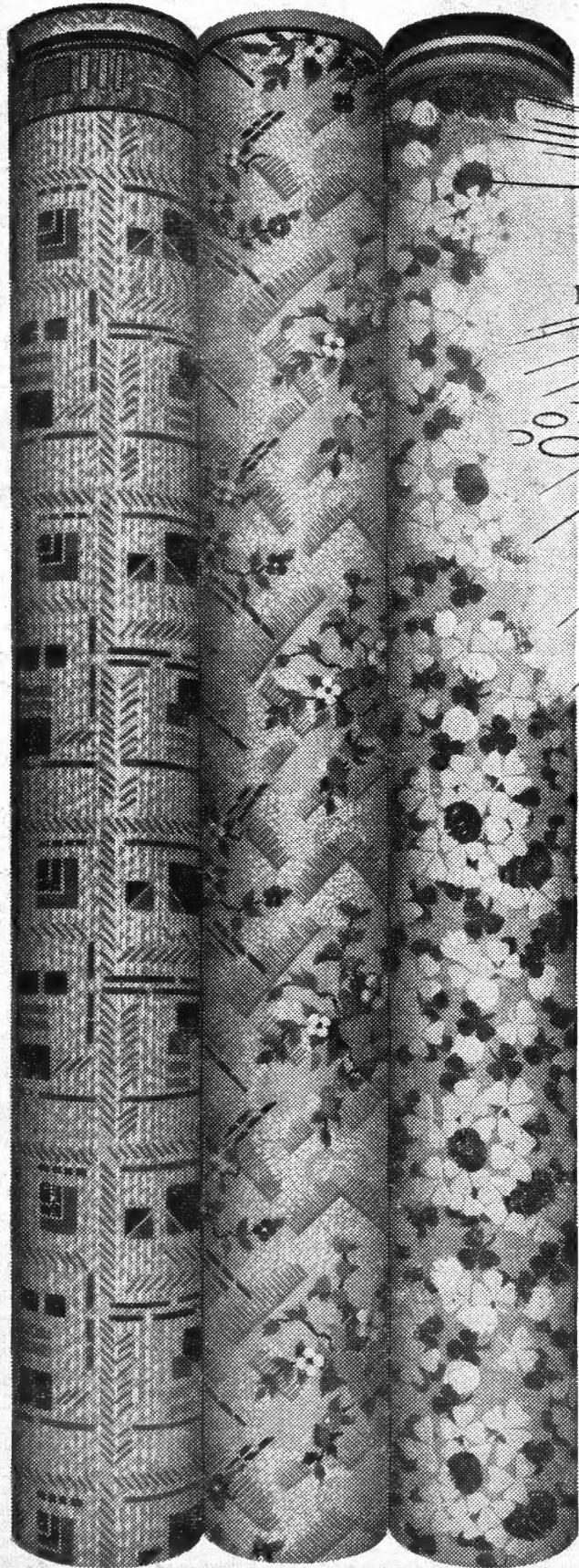
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Farm and Ranch Review Editorials

The west is back in step with the rest of Canada

WITH the exception of Southern Alberta, the West got back into step with the rest of the country in the general election. Prairie representation on the Government benches more than doubled. In the next Parliament we will have a solid bloc of 32 Prairie members inside the Liberal caucus and, including British Columbia, 43 from the West. Even in the huge, 193 member Government side, that will be a group worthy of attention and respect. The West, thus, will have a strong voice in the party council where policies are adopted and that is all very much to the good.

But like many other Canadians who place good government above party considerations, we would prefer to have seen the Liberal party just a little less successful elsewhere. A 15 seat majority would have provided the country with a stable government much more responsive to the public will than the overwhelming majority of 122 seats Prime Minister St. Laurent obtained. The huge eastern representation will make it more difficult to carry the Western viewpoint into national policy than would otherwise have been the case.

Nevertheless the verdict of the Canadian people was expressed in terms that left nothing to doubt. The nationwide repudiation of the tactics and leadership of the Conservative party was a fine example of democracy at its best.

Ward-politics Mr. Drew, was so heavily laden by impossible handicaps that he and his party were beaten before they started. Mr. Drew's own sorry record on Dominion-provincial relations was burden enough. The Conservative platform, a gaudy mulligan stew of unfulfillable promises, was even worse. Having completely abandoned Conservative principle in its effort to out-promise the C.C.F., the party's grandiose offerings of more of everything made a complete mockery of its cries for lower taxes and reduced costs of government. Mr. Drew, no doubt in self defense, was driven to conducting a campaign on the ward politics level, something for which the Canadian people have a most pronounced aversion.

On the other hand, the election was a splendid tribute to Mr. St. Laurent, and one which he richly deserved. Throughout the campaign, regardless of provocation, he showed himself to be a man of high statesmanship, who brought to his office a high sense of public duty, ability and honor. Moreover he has shown that he can attract other men of character and ability to serve with him for the benefit of the country. Though he and they may make mistakes, though they take the wrong advice on occasions, their honorable intentions can never be questioned, any more than we can question

their desire to serve their country to the best of their ability.

In the West, the Rt. Hon. J. G. Gardiner marked up the greatest personal triumph in his long political career. From the verge of extinction, he came back in Saskatchewan to almost wipe the C.C.F. from the boards. And in Manitoba, Hon. S. S. Garson also increased his following at the expense of the C.C.F. and the Tories, despite the reduction in the number of seats.

Southern Alberta Only in Southern Alberta did the results tend to make no sense. From a reading of the returns, an uninitiated observer might well have concluded that the people of Southern Alberta had repudiated:

1. The Government's irrigation policy;
2. The Government's wheat marketing policy;
3. Its Dominion-provincial settlements;
4. Its floor price programme for agriculture.

These were the issues stressed by the Liberal candidates, not one of whom was elected. Instead the electors returned Social Crediters to represent them. Yet even a cursory examination of the vote demonstrates clearly that Social Credit is a spent force in Alberta. A switch of 6,000 votes would have defeated all the Social Crediters.

That so many of them were elected can be traced directly to the Liberal party's five year neglect of its fences in Alberta. It was neglect that extended right up to the day of the election. No one had taken the trouble to explain the Government's policies to the people of Alberta. One fighting cabinet minister of the calibre of Mr. Gardiner or Mr. Garson, would have worked wonders with the Liberal organization in the South. Instead the candidates were abandoned to their own devices.

Cabinet neglect The Social Crediters, on the other hand, never stop running for re-election. They have worked overtime taking credit for Government policies which they approve. With no Alberta Liberal or Cabinet rank ever seen to tell the Liberal side of the story, it is small wonder that the Social Crediters succeeded.

The Government can take it for granted that the people of Alberta overwhelmingly approve of its whole agricultural programme, from wheat agreements to floor prices to irrigation. And it can take it for granted that Social Crediters will go on being elected only so long as the Liberal party allows the statement of its case by cabinet ministers to go completely by default.

It would be tragic indeed, if the Liberal party allowed the results in Southern Alberta to be interpreted as a repudiation of its policies. Even in Winnipeg,

the home of the Grain Exchange and centre of the open futures market system, the Grain Exchange propagandists went down to ignominious defeat. Their expensive and often hysterical propaganda drive for the futures market may truly be said to have been wrecked on the solid-rock understanding of economic realities by the people of Western Canada. That, to us, was the most heartening of all the results of the election.

★

Another dose of austerity

ON page 7, our International Commentary by Ben Malkin this month deals with the effects on Canada of the latest British crisis. Mr. Malkin is a regular contributor to the FARM AND RANCH REVIEW and is a well informed Ottawa editorial writer. His dispatch, outlining as it does the official Canadian point of view, provides us with an opportunity to express some doubts.

It seems to us that Ottawa's reaction to the British crisis is altogether too automatic. Whenever a crisis develops, Ottawa pushes a button and a red light marked "Austerity" goes on. This time was no exception. The British crisis had hardly been announced before Ottawa banned the importation of American fruits and vegetables. Other "austerity measures", including curtailments of American imports and further currency controls, are hinted.

What concerns us on this point is: How much of all this is protectionism parading under a brand new disguise called austerity?

The last dose of austerity got a great expansion of American-owned, controlled and operated industry established in Ontario. Understandably, everybody in eastern Canada cheered wildly about this. Instead of importing finished gadgets, we imported the parts and assembled them in Toronto. Theoretically, we saved the difference in American exchange between the price of the parts and the price of the finished product. Just mark us down among those who refuse to believe a word of it.

One of the reasons why we have a continued shortage of American currency is because American capital has \$5 billion invested in Canada. We have to provide a minimum of \$200 millions in American funds every year to pay interest and dividends on that investment. As the investment grows the need for funds to repay it grows. Yet whenever the dollar crisis arises it is always the need to conserve our purchases in the United States that gets emphasized, never the fact that our policy of encouraging American investment in Canada has landed us in trouble up to our neck.

Nor do we concede that there is a real saving in American dollars in having American plants import parts instead of allowing consumers to import finished products. Sooner or later, the consumers have to pay much higher prices. The

(Continued on Page 6)

Farm and Ranch Review Editorials

higher prices not only reduce the consumers' standard of living, but increase the flow of dollars to the States. In a real sense, the price charged for the parts is only an instalment deposit and the instalment payments will go on until the end of time.

Nor, further, do we concede that we can solve our British market problem by contracting our trade. That way is along the road to disaster. What is needed is greater effort to open the Canadian market to British goods. Why, for example, do we persist in maintaining an artificial rubber plant in Canada which effectively bars the importation of crude rubber from the sterling area? And why maintain a textile tariff against British goods?

It is true that Britain's difficulties stem from war damage and inability to compete in mass production of goods at low prices. Its traditional high-cost and low-output economy has been worsened substantially by the enactment of Socialist legislation and wholesale establishment of welfare agencies the country cannot afford. The British people, in their own good time, will deal with the Socialists who have led them from a morass into chaos. In the meantime, it is sheer nonsense to try to solve our problem by curtailing our trade on one hand and protecting uneconomic enterprises on the other.

Aside from our farm products and lumber, our economic future lies in a closer integration with the economy of the United States. For too long our trade with the United States has been a one-way street. We have fashioned an economy that required us to purchase far more from the States than we sold. We have been content to allow Britain, our best market for our wheat, to settle our balance of payments for us.

Britain is no longer able to fulfil that function. Our objective hence must not be to curtail imports but to expand exports. A Customs Union with the United States would provide the impetus that would speed the process. It would force the owners of American branch plants in Canada, for example, to integrate the operation of their Canadian plants with their American plants. Not only could vast economies be made, but production cost would be lowered and the consumers on both sides of the line greatly benefitted.

★

After eating honey, we eat some crow!

LONG about here would be as good a time as any to eat a little crow. A couple of months ago we were sounding off on the inferiority of Alberta honey. The Alberta Honey Co-operative's answer was to send down a case of its top grade product, Altasweet. We have never tasted finer honey anywhere.

That isn't only our opinion, it is the considered judgment of everyone of the staff of the Farm and Ranch Review who participated in the testing of the product. Two aspects of this test are important. Several testers expressed sur-

prise that there was such honey as this available and they had never tasted it before. The merchandising system of southern Alberta has accustomed the public taste to an inferior product which sells for a lower price than the creamed variety.

Of this we are certain, the market for the fine product is unlimited if some method can only be found to acquaint the public with it. Once the consuming public discovers what it has been missing all this time, it will develop a taste for a fine food that has all the attributes of a delicacy. We don't presume to tell the honey producers how to organize their business. But we do hope that they will get on with the job of creating the demand that will end forever the problem of a honey surplus on the Prairies.

★

The pictures we want aren't the pictures we get

LET'S try again because we don't seem to have made ourselves clear the first time. In our June issue we ran a special article on how to take good pictures. At the same time we told our readers that we were in the market for GOOD pictures for which we would pay \$5 for every photo used.

We thought that the offer, coupled with the article, would encourage our readers to try to improve the quality of their photography and launch some of them on a profitable hobby. Instead it only seems to have started a rush for the albums with the notion that any picture could win a prize. Many of the pictures which were sent in showed defects which were specifically dealt with in the special article.

So let's try to straighten things out without hurting anybody's feelings. In order to be usable in a magazine, pictures must be in sharp focus. In making cuts from which illustrations are printed a great deal of detail is lost. The subject of the picture must stand out sharply or the picture is only an interesting snapshot.

This prairie of ours is a beautiful country, beautiful even in the most starkly naked landscapes. There is beauty in the slant of the sun on an old threshing machine, in farm animals in repose, in wash basins standing beside the back door. It is truly a photographer's paradise and it is being almost completely ignored by the people who live in it. That's why we'd like to encourage, or provoke, our readers into taking better pictures. So let's all try again.

★

"The Story of Wheat"

THE Alberta Wheat Pool has come up with something unique in patronage dividends, a superb booklet by Leonard D. Nesbitt entitled, simply: "The Story of Wheat". It is a book that ought to be on the living room table of every farmer in the land.

In Western Canada today there are many thousands of young farmers to whom the depression is only a vague sort

of memory. And, to them, the early struggles of the prairie farmers are only history and the subject of old men's dull anecdotes. Yet, if they care to consider it, everything they have today traces its origin back to the struggles of prairie pioneers first to survive and then to prosper.

There was first, the search for a wheat that would mature quickly enough to escape early killing frosts. There was the long and tedious business of developing strains that would resist rust and drought and sawflies. There were the agitations for fair distribution of box-cars, for fair grading, inspection and the establishment of standards. There were the groping efforts to find better marketing methods, there were struggles for markets.

All this is recaptured and held by Len Nesbitt in "The Story of Wheat." Nor is that all. He has also gathered together all the facts anybody ever wants to know about wheat. He has succeeded, even, in making statistics interesting.

While the book was published primarily for Alberta Wheat Pool Members, it should be made available to all prairie farmers. It might be hard on the Alberta Pool treasury, but it would be a fine thing for the West if the Pool office in Calgary got buried under about 100,000 requests for copies.

★

Storing water and storing grain

INTERESTED in building your own water storage system? Or in the latest methods of storing grain on farms? Or both? A couple of new wrinkles have come to our attention which we want to pass along.

The J. I. Case Co. of Racine, Wis., has taken a lively interest in soil conservation and the combatting of erosion. It recently published a most attractive booklet on "water spreading." In it will be found complete details for the construction of dams on small streams that run through farms. The idea is to catch rain that falls in heavy thunder showers, dam it up and release it gradually over land adjacent to the dam.

Farmers of Western Canada know how much water is wasted every year because more rain falls in heavy showers than the ground can absorb. Case engineers after a good deal of experimenting have devised a system for handling this water. It won't work everywhere, but if you have a stream or gully on your farm it might be useful to take a look at this booklet. It is free for the asking from Case dealers or the Case Company at Racine, Wis.

The Canadian Forest Products, plywood division, has got hold of a series of blueprints developed by experimenters in the United States for construction of farm storage buildings. While the buildings were planned originally to take care of the storing of surplus grain on American farms, they serve double purposes. One plan of a double, movable hog farrowing house can be made into a storage bin for 300 bushels. Other movable storage bins can be used as hog feeders.

These plans are being distributed at cost, with prices ranging from 15 cents to 45 cents. The address is Pacific Plywoods, New Westminster, B.C.

INTERNATIONAL AFFAIRS COMMENTARY

Canada's stake in the British dollar crisis

By BEN MALKIN

CAUGHT in the middle of what may yet become the worst trade crisis since the early 1930s, Canada may have to take in her belt considerably more than she now contemplates doing before she is out of the woods. Britain's inability to sell to the United States sufficient goods and services to pay for the commodities she buys from the U.S. is hitting Canada hard.

Traditionally, Canada has always depended for her supply of American dollars not by selling to the United States so much as by selling to Britain. Before the war Canada would sell more to Britain than she bought from that country, and bought more from the U.S. than she sold to that country. The difference would be made up by converting British pounds into American dollars.

Since the end of the war, Britain has been unable to earn sufficient dollars to permit her pounds to be freely converted. She has been buying too much from the U.S., and selling too little to that country, to make convertibility easy. There are many reasons for this. U.S. tariffs are high, and place a disability on the entry of foreign goods right at the start.

During the war years especially, British productivity in the manufacture of civilian goods deteriorated. Worn-out machines were not replaced, factories were not streamlined, for everything went into the war effort. As a result, production per man is lower and costs higher in most British industries than in the American. In addition, Britain liquidated most of her foreign investments, in order to raise cash to pay for the war effort. These used to bring in much of her foreign currency by way of dividends. Finally, the British merchant marine which used to be a big dollar earner before the war was practically decimated between 1939 and 1945, and has not yet been fully restored.

The result of these factors is the present currency crisis. It affects Canada very closely.

Mr. Howe's Hint

If Canada, because of Britain's shortage of dollars, herself grows short of dollars, it will mean that imports from the United States must be restricted even more than is now the case. C. D. Howe, minister of trade and commerce, has already hinted as much. If imports are further restricted, it will mean a lower standard of living for all Canadians. Some products, such as fruits and vegetables out of season, will be altogether unobtainable. Others will go up in price as scarcities develop. So while Britain must lower its

standard of living to get out of her difficulties, Canada to some extent will have to share with her the lower standard.

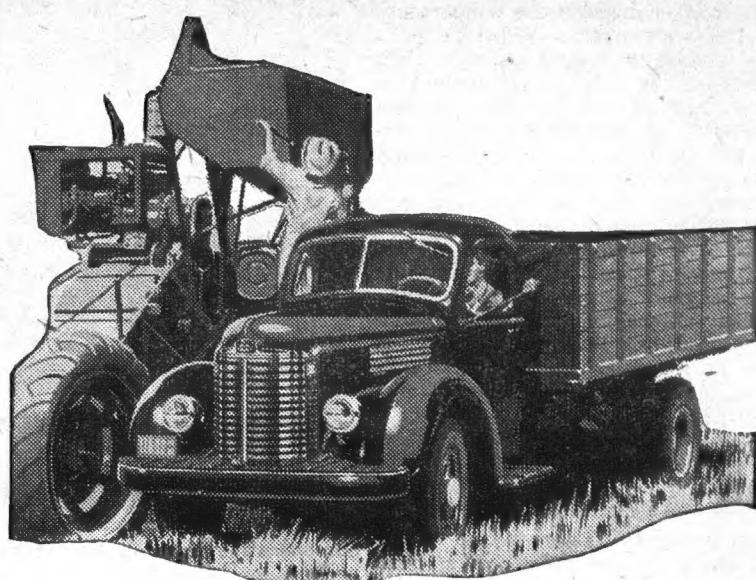
It is doubtful whether the British crisis will become desperate, or whether it is insoluble. The United States, for political reasons, cannot permit a financial crash in Britain. The United Kingdom is the lynchpin of American policy to contain Russian expansion in Europe. As an air and naval base, it cannot be replaced. Should Britain's economy be torn apart, that country would lose much of its value as an ally of the United States. Politics and economics are here intertwined, and there can be no doubt but what the United States will come to Britain's help if necessary.

Judging from past performance, however, the U.S. is unlikely to help by a substantial reduction of tariffs. That is not the traditional American way. The United States has always preferred to provide her customers with dollars by means of loans or gifts, rather than by buying their goods. Unless, through some miracle, there is a change of heart in the U.S. Congress, this is the way help will probably be given to Britain during the present crisis.

U. S. Recession

The American recession, which now finds about 3,500,000 unemployed in the U.S., will also have its effect. There is now talk in Washington of placing a two-cent-a-pound duty on Canadian copper, to help out the copper producers in the U.S. The pressure on Congress will be terrific to keep out foreign imports, and Congressmen, who must be elected if they are to remain Congressmen, will probably, in the future, as they have in the past, surrender to much of this pressure.

In this situation, there is little Canada can do except restrict imports from the United States. Assuredly, an all-out export drive to increase sales in the United States will be attempted. But before you can sell, you must find a customer. The present combination of circumstances — the economic recession in the U.S., and the high tariff mood of the U.S. Congress — must lead Canada to guard against the eventuality of not selling enough goods in the U.S. to pay for what we normally buy there. Therefore we will have to buy less. It is significant that the Reciprocal Trade Agreements Act, under which the President of the United States has the authority to reduce tariffs, expired a month ago without renewal by the U.S. Senate.



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THE average man spends a good part of his time protecting himself from changes in the temperature of his environment. When he pulls the covers up around his chin on a wintry night or plunges into a lake on a warm summer day, he is solving problems of insulation. Prime examples of insulators are men's clothes and houses. Originally the only protection men had against cold was the skin covering their bodies. This kept their internal organs at an unvarying temperature by controlling the escape of excess heat through the pores. Clothes have lately been added to aid this insulating effect. In the 20th century, houses with insulated walls, forced ventilation, and thermostatic heat control have been developed — a parallel to the temperature control system of the human body.

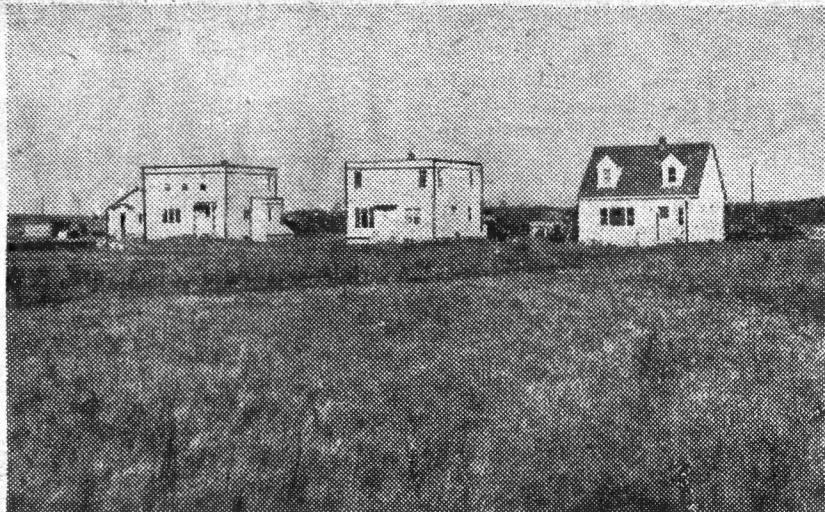
Heat Reflection

Now a new factor in the theory of insulation, the reflection of heat, is being used in an ever-growing number of applications, and is meeting with outstanding success. Just as a mirror will reflect your image, (light waves) any bright metallic surface will reflect heat waves. A bright aluminum surface actually reflects 95% of the radiant heat waves that hit it.

The bright metal shield used behind the wood stove to keep the wall from overheating illustrates this principle. The application of this principle to the insulation of buildings involves the use of one or more curtains of aluminum foil in place of fibrous materials formerly used to fill the wall and roof spaces. The foil resists the loss of heat from a building by reflecting the heat rays back in again. The narrow dead-air spaces formed by curtains of foil in the stud and joist spaces prevent air circulation in these spaces and thus further retard the flow of the small percentage of heat that is not reflected back.

Developed within the last twenty years, aluminum-foil reflective insulation has proved to be highly efficient. The foil is made from aluminum ingot at the Kingston sheet mill of the

Sask. Co-op farm homes



Here are three samples of the type of housing the farmers of the Sturgis Co-operative farm in Saskatchewan are building for themselves and their families.

Thinking of insulating for winter? Here's something to consider

By J. J. BROWN

Aluminum Company of Canada. It is rolled down to the thickness of sheet in standard rolling mills, and becomes aluminum foil after it is further reduced on smaller mills to a thickness of a few ten thousandths of an inch. The foil is then shipped to the many fabricators of insulating material throughout Canada where it is cut into rolls of the proper size, and glued to paper, cardboard, building boards, or made up into ingenious expanding blankets that provide as many as six reflecting surfaces when opened out, yet which come folded and rolled in small and exceedingly light, easy-to-handle packages. While plain foil can be used for insulation purposes quite effectively, these special products facilitate its application.

It is an easy job to install aluminum foil insulation, and the only tools required are a rule, a stapler gun, and a knife. It is laid between the studding of a building, in accordance with the manufacturer's direction; and when plain foil is used usually two or three curtains may be installed to advantage by stapling it to the side faces of the studs, and the joists or rafters, with cardboard strips for reinforcing under the staples.

Aluminum foil does not permit the transfer of radiant heat, reflecting 95% of it back into the house or barn. In winter, up to 70% of the heat in a house is lost by radiation through the walls; and in the summer the sun's heat reaches us entirely as radiant energy. Thus insulating with aluminum foil makes a house

much cooler in summer as well as warmer in winter; — much cooler than any type of insulation having equivalent winter performance.

Many tests have shown that aluminum foil has a permanent reflecting quality when it is properly installed. Dust particles on the surface of the foil are essentially transparent to heat radiation, and therefore do not affect its reflectivity. It is vermin-proof, and will not settle as will insulation made of fibrous materials.

The lightness and resistance to vibration of aluminum foil insulation is an important factor in transport vehicles. Here it is being applied to a larger and larger extent, in the bulkheads of ships, steam engine boilers, railway coaches, refrigerator cars, and trucks.

The light weight of aluminum foil is an important factor to the farmer doing his own insulation because it means easier handling.

It takes less time to heat a house insulated with aluminum foil, than it does one fitted with fibrous insulation, if the house is cold. This is because the foil does not drink in and store heat as does the fibre, but throws it back immediately. Moreover the aluminum foil is moisture-proof, an important factor in barn insulation, and therefore does not have the characteristic of fibrous insulators of soaking up moisture over the years and slowly settling to the floor. When this happens there is an almost complete loss of insulating value.

Fire-Resistant

The fire-resistant properties of aluminum foil insulation are good. It reflects the heat instead of absorbing it, and is thus far more resistant to high temperatures than other commonly used insulating materials.

Aluminum foil insulation, light and strong, shining and fire-resistant, inexpensive and simple to use, is rapidly becoming the leading insulating material in Canadian building. It is to be seen in all types of construction from the barns and houses of the countryside to the great industrial installations of the city, and in the trains and trucks between. •

Is summerfallow any good? That depends where you live

By DR. E. S. HOPKINS

Associate Director, Central Experimental Farm, Ottawa

in facilitating the control of weeds. However, the principal reason for destroying weeds is to prevent them from using soil moisture.

If there are such extreme differences in the need for summerfallowing, how can anyone know how much land should be summerfallowed in various districts? The soil survey has provided valuable information in classifying the country into various soil zones and soil types. This information should be studied carefully.

The need for summerfallowing corresponds with the soil zones in a broad, general way, but there are many important exceptions. The brown soil zone is found in the driest part of the prairie where it may be necessary to have as much as 50 per cent of the land in summerfallow. The dark brown soil zone has a little more moisture and hence requires the summerfallow at less frequent intervals, perhaps about every third year.

The black soil zone enjoys more favorable conditions and does not require as much summerfallow. Mixed farming rotations, especially in some regions, give better results. In the grey wooded zone, it is doubtful if the summerfallow has much value.

However, within each soil



"Well how far is Sonny's Service Station if the crow had to walk and carry a gasoline can?"

zone the soil survey has mapped a large number of soil types. These vary from heavy clay to light sandy soils with a great number of intervening variations. Clay soils hold considerable moisture and hence can be summerfallowed to advantage. Sandy soils, on the other hand, conserve very little moisture.

Climatic differences, also, have a significant influence on the need to summerfallow. These climatic differences, even within soil zones, are much more marked than is generally appreciated. Individual farm requirements, in addition to variations in soil and climate, also influence the amount of summerfallow.

The Dominion Experimental Farms, located in various regions throughout the prairie provinces, have conducted experiments over a long period of years which are helpful in indicating the most suitable amount of summerfallow in various regions and the best tillage methods. As the summerfallow is the most susceptible of all farming systems to both wind and water erosion, only the most efficient practices should be used.

VERY contradictory views are sometimes expressed in regard to the value of the summerfallow. Sometimes the summerfallow is extolled as the very backbone of prairie agriculture, while at other times it is condemned as a wasteful, destructive practice which may ultimately ruin the country. As the area in summerfallow in the prairie provinces amounts to some 20,000,000 acres and constitutes about one-third of all the land under cultivation, it is quite important to secure all possible information in regard to its value.

What is the reason for these contradictory opinions? It seems that they are based on local experiences but unfortunately are expressed as applicable to the entire prairie.

The main function of the summerfallow is to conserve moisture. Where moisture is deficient, it is essential that some should be conserved from one year in order to supplement the precipitation the following year when the crop is grown. In other regions the supply of moisture in most years may be sufficient. The summerfallow has another important function

Will an American depression hit Canadian livestock industry?

By LEONARD D. NESBITT

PRODUCERS of beef cattle are concerned over the outlook for their industry. This has been a bad year for the hay crop as the heavy producing regions have been hit by drouth. Indications are that the production of feed grains will be down this year. Then there is declining industrial production in the United States with increased unemployment. The tendency is for Canada to follow her southern neighbour after a six month time lag. Industrial unemployment means lower meat consumption.

Alberta and Saskatchewan are the principal meat producing provinces in Canada. On December 1, 1948, according to the Dominion Bureau of Statistics, there were 740,300 beef cows in Canada, of which 460,000 or 62% were in Alberta and Saskatchewan. Alberta had about 39% and Saskatchewan 23%.

Some 30 years ago, after the end of world war I, beef producers found themselves in a predicament. The average price of good steers in Toronto in 1919 was \$13.66 and the high was \$14.50. A dry year with a short hay crop was followed by a severe winter. Some ranchers paid as high as \$60 a ton for hay. Beef prices began to slump the following summer and by 1921 the average price was down to \$7.55.

A Big Industry

The average price of good steers at Toronto during 1948 was \$18.25 a cwt. and a high of \$27.50 during August. These are record high prices of Canadian beef. Sales of beef cattle brought 90 million dollars to Alberta producers last year and 80 million to Saskatchewan producers — a combined total of 170 million dollars.

In order to maintain a fair degree of prosperity for cattle producers, the United States market must be available to absorb the Canadian surplus. In 1922 the Fordney tariff law passed by the United States Congress dealt a hard blow to western cattlemen. The Hawley-Smoot tariff act of 1930 was a disaster. Exports to the United States which reached a high of 502,000 head in 1920 fell to 173,000 head in 1922 and got down to a low of 5,624 head in 1934. That is why so many cattle producers went bankrupt in the early 1930's.

Under the Geneva Agreement the United States will accept 400,000 head of beef cattle a year at 1½ cents per pound duty for live animals and 3 cents for dressed beef. As the United States will accept no cattle from Mexico or South America because of the danger of infection from the foot and mouth disease, Canada is about

the sole source of import supply for that nation.

Annual exports were the equivalent of about 375,000 head of cattle. From August 16th, 1948, when the embargo on cattle shipments to the United States was removed, to December 31st, 1948, Canada exported to that country 410,000 head of live cattle and calves and 78 million pounds of dressed beef and veal. For the first four months of 1949 exports to the States totalled 75,390 head of live cattle and calves and 12 million pounds of dressed beef and veal.

No British Market

Great Britain is out as a market for Canadian beef. Transportation costs are too high. United States is the logical market. The population of that country is increasing rapidly (now nearing the 150 million mark). So long as there is access to the United States market, as under the present trade agreements, this country will have no difficulty in disposing of its surplus beef cattle.

On the other hand, if anything like a serious depression occurs in the United States, and the government of that nation under its farm policy, is called upon to pay a large sum of money to support cattle prices, measures may be taken to curtail or eliminate imports of beef cattle. That would be a disaster for Canadian cattle producers.

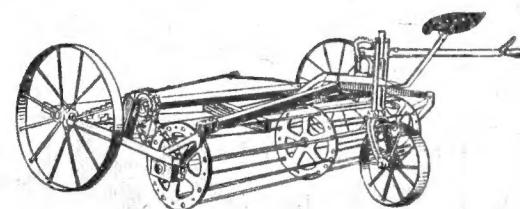
The Canadian government has a price support policy for farm products, but just how that would stand up in the event of there being a large surplus of beef cattle is a question that cannot be answered here. It is doubtful, however, if the United States would undertake so unfriendly an act as to bar the imports of Canadian cattle. In this hostile world, Canada is the best friend and best customer of the United States.

The annual cattle kill in the United States is probably around 26 million head. An import quota of 400,000 is just a little under 1½% of the total killed. On the other hand, beef producing is an important and powerful industry in the United States. The cattle population in that country reached a peak of approximately 86 million head in 1945. Since then the decline has been about 8 million. Heavy marketings are expected this coming autumn and a tremendous pig crop is also expected to pour into the stock yards in that season.

Thirty years ago bank managers advised farmers and stockmen to increase their beef cattle holdings. They were to regret such advice later on. Now no one is advising the beef producer what course of action to follow. This is a decision he must make for himself.

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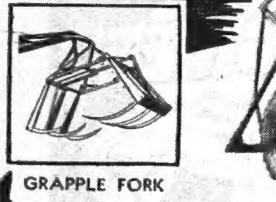
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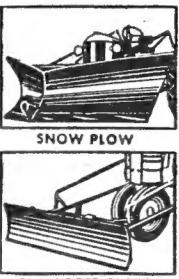
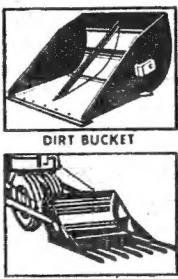
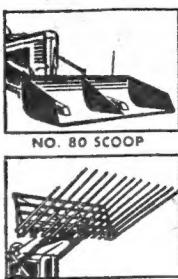
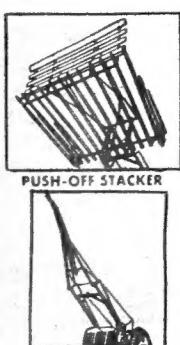
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YOUR GARDEN IN AUGUST

**Flower shows are grand;
but show only your best**

AUGUST is the month of Flower Shows, and whether you cultivate flowers purely for the joy of seeing them grow, whether you give them to friends, or to hospitals, there is really nothing quite as thrilling as exhibiting your own produce in the local flower show.

To those who may be showing their garden products for the first time the following hints will be of special interest.

There are definite rules and regulations laid down by Horticultural Societies and competitors must be sure they fully understand them. In order to

exhibiting flowers and see that they are filled with fresh water. Gladioli are best shown in containers that are broad enough in the neck to allow plenty of room for the stems.

Where decorative foliage is used with these flowers avoid using garden asparagus as the effect is not complimentary. Long arching sprays of Spirea Van Houttei, or colorful stems of Prunus Cistena will provide excellent foil for Gladioli.

Be prepared to abide by the decision of the judges. A careful study of prize-winning exhibits will reveal what the

By H. F. HARP

win prizes these rules must be strictly adhered to. Study carefully the prize list, and make sure that where six stems of a certain variety of flower is asked for, six only are staged. More or less will disqualify.

Select and stage only the best produce from your garden. It should be fresh and clean, free of blemishes and approaching the peak of perfection rather than having passed it. High quality is the result of using good seed and maintaining a good state of cultivation throughout the plant's career, paying special attention to its fertilizer requirements and need of water.

Use suitable containers for

judges look for in awarding prizes.

Hedges should be trimmed now for the last time this season. Shrub borders and beds should be given a thorough clean up of weeds. Soon we shall have to ease up on cultivating between the shrubs in order to allow the shoots to ripen well before winter comes. Well ripened wood will survive the winter with less injury than the immature shoots resulting from prolonged and deep cultivation.

In periods of dry weather much can be done to relieve the distress of plants even if a supply of water is unavailable.

(Continued on page 11)

Pay special attention to the removal of spent flowers. Every few days the plants must be gone over and faded blooms neatly cut off.

Keep the hoe working among the annual and perennial flowers so that there will be no cracking of the soil. Nothing is more distressing to plants, or sickening to look upon than parched soil with gaping cracks. A shallow dust mulch created by regular use of the hoe will conserve whatever moisture there is and add to the comfort of the plants in periods of intense heat.

Mowing will be entirely suspended on lawns where no water supply is available if drought conditions persist. In any event it is unwise to cut grass very short in midsummer heat. There is danger of damage from excessive drying of the grass roots. Set the mower blade about two inches high for best results.

August is also the month for Gladioli bloom, and every effort should be made to keep the plants well cultivated and free of weeds.

Diseases such as neck rot will usually make its appearance now. Any plants having leaves that are turning brown should be viewed with suspicion. If close examination reveals a rotting condition at the neck of the plant no time should be lost in carefully digging it up and burning it forthwith.

If water can be had and the plants stand in need of it the job of watering should be started at once. Take out a shallow trench close to each row, but not so close that there will be any danger exposing the plant's roots. Fill the trench either by hose pipe or carry the water by pail and allow to seep away before replacing the soil. The work is best carried out in the evening because of the greatly lessened evaporation at that time of day. Remember that once you have resorted to watering it will be necessary to supply water at regular intervals till rain comes again. Twice weekly is not too often providing plants are healthy and vigorous.

The lone prairie



An application of ammonium phosphate at the rate of 2 ozs. per yard of row will be beneficial, especially if it can be watered in. Rich green leaves and large spikes of flowers of good substance will result from the stimulation of the plants by the proper use of this chemical fertilizer.

To maintain vigor and a continual supply of long-stemmed flowers attention must be given to the daily gathering of all flowers having the topmost bud half opened. Flowers are best gathered in early morning using a sharp knife or scissors so that a clean cut is made. The careless plucking of stems can be very damaging to the plants.

Unless copious waterings can be given in periods of dry weather the flower stems will soon get shorter and the flowers themselves smaller.

The plants are liable to attacks of spider mite in dry weather and affected plants are palish green and a general unthriftiness is evident. Where water under pressure is available a good syringing is given at the close of a hot day to check the spread of spider mite, and to help the plants recover from the effects of excessive heat.

Make sure that plants are not in need of water at the root when spraying them. A weekly soaking is necessary in most seasons during the months of July and August, and is best applied by making a trench on either side of the row. Fill the trench by means of a slow running hose pipe. Keep the trench filled till the whole row is saturated to a depth of several feet. The roots of Sweet Pea plants will penetrate to three feet or more in well prepared soils.

Green Fly (Aphids) are often very troublesome on Sweet Peas. Effective control is possible by using a teaspoonful of Nicotine Sulphate (Black Leaf 40) in a gallon of soft water. Add a handful of powdered soap which will act as a spreader. Spray thoroughly the undersides of the foliage as it is there the pests are lurking. ●

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A creel-full of fish facts for Prairie farmer fishermen

By KERRY WOOD

JUST before the harvesting starts most farmers go for a little local holiday after the haying is finished. And the holiday most favored by the majority of men is a fishing trip, over to the nearest river or across to some favorite lake. Happy the farmer who has a fishing stream flowing past a corner of his land, or whose acres border the shores of a lake where the big ones lurk. But even if the farmer lives a long way from water, that doesn't stop him. In the car or truck he loads bedroll and grub box and fishing tackle, then away we go a-fishing!

The trout rates highest among angling enthusiasts as the sportiest of all the piscatory clan, but most farmers prefer a meatier kind of fish. They like the perch lakes, where they can take their ease in a boat and watch a cork float bobbing on the water, sucked under now and then to tell that a perch is nibbling on the worm or minnow lure. Up goes the rod tip to set the hook, then follows the battle between farmer and fish, with the yellow-sided and orange-finned perch finally coming over the side of the boat and into the bucket or box reserved for keepers.

Of all the fishy denizens of our waters, the perch is one of the finest for those who want an "eating fish". The equal or even the superior of perch as a table fish is the Wall-eye or Pike-perch, frequently nicknamed the Pickerel. Sometimes perch and wall-eyes and pike are all caught in the same lake, providing us with a variety of fishing fun.

The well known pike is probably the favorite fish of most anglers in Western Canada. Not only is this large and savage fish widely scattered throughout the lakes and rivers of the west, but, wherever found, the long-jawed pike is willing and eager to take the fisherman's offerings. Pike will bite on spoons, on wabblers, on wooden minnows and live minnows, on frogs and sand-lings and even on brightly colored feathered lures. He'll bite hard, hooking himself securely. And once hooked, the pike lunges away at top speed and provides the angler with a lot of sport before the victim is played to the landing net.

A Whopper

Another nice thing about the Great Northern Pike is that these fresh-water tigers often grow to a really large size; five

to ten pounders are relatively common in most of our lakes and streams, while we not too infrequently hear about a friend or neighbor catching a twenty to thirty pounder. According to the encyclopedias, the record pike of all time was one supposedly tagged by the Emperor Frederick II of Germany, in Swabia, finally caught some 260 years later in 1497, when the fish was reputed to be 19 feet long and weighed 350 pounds! Needless to say, this fish story has never been actually verified — but it does make an excellent story.

The pike is our fresh-water villain among the fishes — a destroyer of trout and other sporty fish, a killer of young ducks and geese, and a cannibal quite willing to devour its own young. But despite all these bad traits, the long and snaky pike is much loved by many fishermen for its readiness to take our lures, its ability to fight savagely and sportily, and finally, its excellent flavor as an eating fish. So here's to the Great Northern Pike, favorite of Western Canada's farmer-fishermen.

Smoked Gold-Eye

One western fish beloved by many is the silvery-sided Gold-eye, found in many of the rivers tributary to Lake Winnipeg and scattered across all three prairie provinces. The writer's fondest fishing memories are concerned with days spent pursuing this beautiful large-scaled

fish in the backwaters of the blue Red Deer River. On pleasant July and August days, the gold-eyes start feeding for surface flies during the sultry afternoons, and even a clumsy cast fly would interest them. They'd take worms, grasshoppers, spoon baits, and any trout fly with brown or black coloring.

A mess of beautiful gold-eyes was easy to obtain some twenty years ago, but today, the gold-eye is a rare fish in many of our rivers because the commercial netting in the large lakes has drastically reduced its numbers. The fresh-caught gold-eye is somewhat variable as an eating fish, some of them being excellent, but many of them having a strong coal-oil flavor. But when smoked over willow fires, the gold-eye becomes an epicure's delight and used to be featured fare on the Trans-Canada railway dining cars.

Some of the western rivers have a small and silvery fish in them that is known by many names: Dace, Silvers, and Chub. The latter name is the right one, and Chub are sweet-fleshed little fish that do not hesitate to bite on worm-baited hooks in many of the slower backwaters. They rarely grow to a large size, averaging eight to ten inches in size. Because of the sweet flavor of their flesh, Chub are liked by many. However, the flesh is full of tiny sharp bones, which mars their eating qualities somewhat. Some folk put Chub in cloth bags and use them for making fish soup, an excellent gastronomic treat.

(Continued on page 13)



The Despised Ling

Another coarse fish that is often thrown up on the shore and left to rot is the Ling. This is an exceedingly ugly fish, possessing a large head and a long and snaky body. The Ling is really a land-locked cod, very closely related to the Pacific Codfish which we cheerfully pay 40c per pound for in butcher shops. The next time you catch a large ling, skin it carefully and you'll notice that the flesh underneath the blackish-green hide is white and firm, and is of excellent flavor and quality. Another attractive feature about Ling is that there is only the back-bone, and once it is removed all the meat is free from bones.

Those farmers who go after trout have a wide variety to choose from here in the West. Large Rainbows provide the finest sport, giving a battle royal full of aerial gymnastics. The German Brown or Loch Levin Trout is the shyest and most difficult to fool with a feathered fly, while the speckled Eastern Brook Trout is one of the tastiest members of the family. Actually, the Eastern Brook Trout is really a charr, as is also the Dolly Varden or native bull trout and the large Lake Trout. The Cut-throat is another well loved trout of the mountain streams, and in the same foothill waters the Rocky Mountain Whitefish, commonly nicknamed the "grayling", is schooled in numbers to provide good sport for maggot and grasshopper bait fishermen.

One of my friends relates an amusing experience after a fishing jaunt this summer. He and two companions took a high-wheeled truck over some rough back-country roads to reach a remote lake where there were lake trout and pike. They caught a couple of Lakers apiece, plus two or three hefty pike. But the trip had an amusing ending, when the boys were totalling up their expenses at the final campfire for gasoline and food costs. One member suggested that they could probably finance the trip by collecting beer bottles around every fishing camping spot on the road home. They reached home with sixty dozen empty beer bottles, for which they received 20c per dozen — a profitable venture that paid for the expenses of their outing. But it gives us the merest inkling of an idea as to what fishermen sometimes do when the fish aren't biting!

MIRRORS RESILVERED

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Tire check! Just another one of B-A's safety services. The Famous Fisk tires are sold exclusively at B-A.

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Anticipating the needs of Canadian grain growers, the producers of P.V. Brand Plywood have made available in Canada, at cost, grain bin designs released through the Midwest Plan Service, Iowa State College, and approved by colleges of agriculture in Arkansas, Illinois, Iowa, Indiana, Michigan, Ohio, North Dakota, Minnesota, Wisconsin, etc., etc., and the U.S. Dept. of Agriculture. The same designs are now being released at cost to farmers across the entire U.S. grain belt.

The plans specify plywood—and here's why. P.V. Brand Waterproof-Exterior-Plywood is specially manufactured for permanent outdoor use in any temperature extremes. The large, light, rigid, real-wood panels give tighter construction, keep out insects, rodents and moisture, prevent leakage and spoilage. Plywood buildings need less framing, are more easily cleaned and are light and easy to move to other locations.

DESIGNS AVAILABLE:

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No. 72626. Double movable farrowing house convertible to 300 bu. grain bin. 8'x12'. Price 15c.

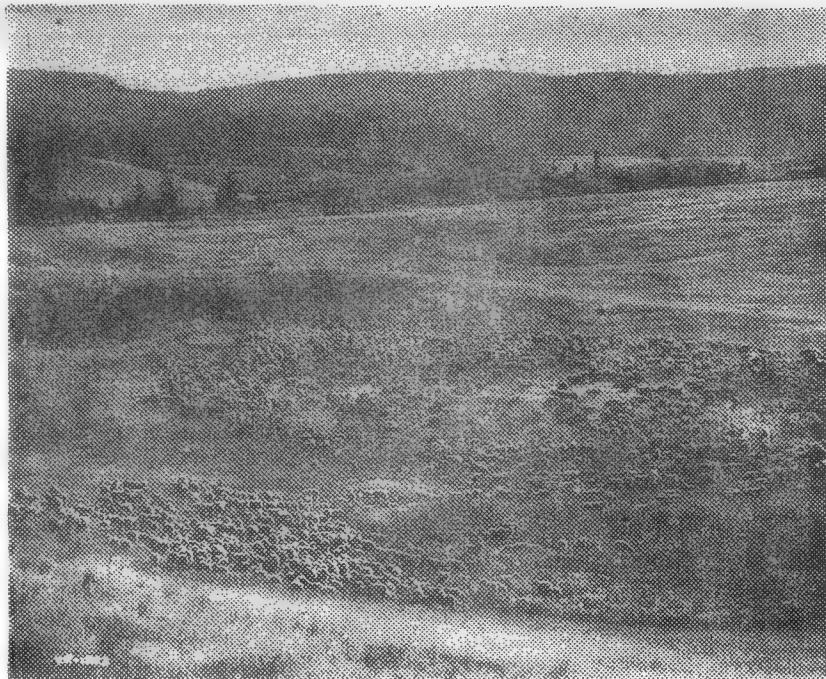
How to Order Designs:
Write to: Department F,
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Order each design required by its key number shown above, and enclose cost price in cash (no stamps, please).

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Sheep range at twilight



B.C. ROUND-UP

Fruit growers charge freight rate discrimination

By A. J. DALRYMPLE

REMOVAL of the mountain differential was one forward step in equalizing freight rates, but B.C.'s fruit industry claims it still carries the burden of a disproportionate share of the nation's freight bills, according to a brief presented before the Royal Commission on Transportation, holding hearings in Vancouver.

A brief was presented by H. B. Ewer, traffic manager, B.C. Tree Fruits Ltd., the sales organization for B.C. Fruit Growers Association.

The growers urged that basic class and commodity rates and express rates should be uniform throughout Canada; and that before adoption and publication of rates, interested shippers be given an opportunity to express their views.

The brief said also that fruit classifications were established long ago, and predicated upon perishable factors which are not now operative. Fruit shipments are not now the hazards they used to be, because of improved methods and facilities.

It was claimed too, that there was discrimination between eastern and western Canada in the handling of charges for protective services, heating and refrigeration.

The brief cited rates for eastern Canada for berries and cherries, showing that for similar distances in B.C. the rate was much higher for carload lots and less-than-carload lots.

It added: "The preferential treatment accorded the Ontario grower would, if available to our growers, facilitate usefully the marketing of the products of the fruit areas in the Pacific province."

"It is our opinion that high rates on B.C. fruits and vegetables, and high rates generally in the west, constitute a form of subsidization of the freight traffic of preferred areas and preferred commodities."

Institute Convention

The delegates attended the annual convention of Agricultural Institute of Canada drew another 400 persons from all provinces of Canada, except Newfoundland, as well as visitors from the United States. There were four days of lectures and discussions on progressive agriculture.

appeared; Newburg raspberries, eagerly bought during those times, are passed up, because of poor keeping qualities and the fact that they will not travel well over long distances; frost of last winter also cut down production.

It is estimated that the crop is about 30 per cent of 1948 production. Last year about 2,300 tons were packed. This year the figure is set at 700 tons. Since frost and poor marketing prospects combined to cut production there was no difficulty in obtaining sufficient pickers.

All this is having the effect of swinging the trend into more diversification such as currants, other berries, and vegetables.

Boys and girls activities have grown to such an extent that it is imperative that local leadership be encouraged in order to gain maximum results, E. F. Pineau, associate chief, livestock production services, Ottawa, told about 300 junior club members at a field day at Dominion experimental farm, Agassiz.

Mr. Pineau said that the cost of providing leadership beyond the present staffs could not be undertaken by the government. Increased staff, he said, could be engaged, but that the public purse could not stand further expenditures.

He pointed out the advantages of local leadership, to the individual and to the cause of scientific farming. He stressed that the local leader gained in knowledge and status in his community, and these in turn brought him opportunities for a successful career.

His work aided in the development of scientific farming with the result that the entire community benefited.

Farmer invents new tiller

ADAM Klein, 42-year old farmer, a native of Regina, and now operating strawberry acreage at Kelowna, has applied for patents on a combination tiller-seeder which he believes will aid small farmers and gardeners.

He has constructed two working models, the second an improvement upon the first. The machine is 42 inches in width and 16 feet in length. At the head end is a rotary tiller with slender spring teeth. Behind the teeth is a slatted conveyor that lifts grass, weeds, stones and soil to a bed where a series of separating rollers separate soil from weeds and stones.

During the past few years the dry belt of the Cariboo has attracted seed potato growers. There were benefits in the way of isolation from pests and diseases on new land; and also the hardy stock produced in the brisk climate of the north.

But that brisk climate turned against them in late June, and the worst frost in 30 years, according to old-timers, blackened many acres of plants. It is estimated that some crops will show a loss of about 50 per cent.

Such setbacks however, do not halt the onward march of land development, and in the coastal province, the movement is ever northward. A party of six Dominion and provincial officials departed from Fort St. John early in July to scout for land for possible new settlements.

Program called for movements along the Peace River to look over arable valleys between Fort St. John and Finlay Forks. The Dominion government now lists 500,000 acres near Finlay Forks as being suitable for settlement.

Raspberry Prices Fall

For years the forecasters have predicted a slump in revenues for raspberry growers in the Fraser Valley and the results this season have proved they were right. Prices dropped to their lowest level in years.

Reasons: lush war money has dis-



"That's strange! It wouldn't work yesterday."



Keepsake

In Weatherford, Tex., Bank President Fred Smith explained how two Arkansas bank robbers happened to have a crowbar inscribed "Citizens National Bank, Weatherford, Tex.": the crowbars were distributed as souvenirs three years ago "but we never thought they would be put to such use . . ."

In the Family

In Tucson, Ariz., when August Holish complained that local police were too inefficient in tracking down hit-and-run drivers, Police Captain Frank Keefe went to work and nabbed the motorist who had left the scene of an accident the month before: Mrs. August Holish.

Test Case

In Renton, Wash., explaining that he did not want to knock at a neighbor's door to see if his brother and sister were inside, Roy M. Redfield, 18, admitted setting fire to the barn "so I could tell when everyone ran out."

Hearth & Home

In Manhattan, Mrs. Betty Jo Hill, suing for alimony, told the court that her husband "ignored me completely and devoted himself exclusively to watching the television programs." In Denver, police learned that Private Sam Fowler, hospitalized with a bullet wound in his hip, had criticized his wife's cooking; she took five shots at him with a .38 revolver. In Vancouver, Wash., Mrs. Constance McLeod got a divorce after testifying that her husband bit a piece out of their marriage certificate and threatened to make her eat the rest.

Q. & A.

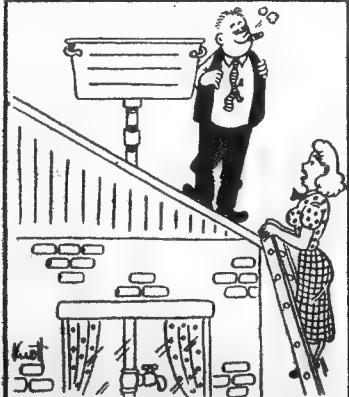
In Little Rock, the Arkansas Vital Statistics Bureau was asked to file a birth certificate which listed the mother's occupation as "cotton and children", the father's occupation as "jest settin'."

New Era

In Deerfield, Wis., within a week after his marriage, Editor Harland Everson's Independent ran an ad over his name: "For Sale . . . 42 corn cob pipes, 1 Home Brew outfit complete . . . 1 address book . . ."

For Better or Worse

In Chicago, Mrs. Adeline C. Bryzek agreed to a reconciliation with her husband after he had promised to (1) wear a wedding ring at all times, (2) stop lending money to his relatives, (3) take her along whenever he goes fishing.



After Due Consideration

In Florence, S.C., Hattie Johnson and John Perkins decided to make use of the marriage license they took out in 1932.

Q.E.D.

In Highland Park, Calif., when Mrs. C. H. Trompeter remarked to one of the bandits who had robbed her of \$300 that he looked surprisingly like a professional man, he replied: "I am a professional man, madam . . . a professional thief."

See 7

In St. Louis, Herbert W. Slayden, demonstrating to his wife the hazards of their rope fire escape, suffered a fractured hip when he fell three stories.

Hard Times

In Niteroi, Brazil, a local milkman had a reasonable explanation for housewives who complained they had found tadpoles in the milk: "Normally I water the milk from the fire hydrant. Lately the water shortage has forced me to go to a creek."

Package Deal

In Nashville, the Hide-Away Restaurant advertised: "Hangover breakfast . . . tomato juice, raw eggs, aspirin, black coffee, our deepest sympathy."

Exhibit A

In Chicago, Mr. & Mrs. Donald Boerst, a separated couple, were reconciled briefly when the judge arranged a night-out for them, immediately wrangled again over where they should spend the evening.

Defrosted

In Glasgow, Mont., the day after Weather Observer Jack Frost left for his new post in Butte, the temperature rose from 4° below to 47° above.

V.V.O.

In Tokyo, agents of the Army's Criminal Investigation Division cracked down on Japanese bootleggers, confiscated dozens of bottles of "American whisky," including one labeled "Famous since 1484."

All-Purpose

In Yukon, Okla., Leslie West advertised for sale: "12-gauge shotgun . . . ideal for squirrels, rabbits, weddings."

Round Trip

At McPherson, Kans., R. G. Hickman drove his new Oldsmobile across the railroad tracks and was hit by an eastbound train; an hour later, trying to get off the tracks, he was nicked by the westbound.

Slave Labor

In Brunswick, Germany, a skier who had accidentally crossed into the Soviet zone reported that he had been held in custody for two days while the Russian soldiers made him give them skiing lessons.

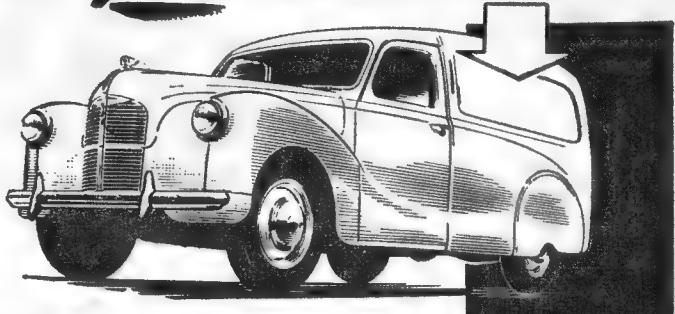
Rut

In Boston, a 20-year-old youth, just released after serving a six-month rap for breaking into a restaurant last year, tried it three more times in the same place, was nabbed by police on the fourth attempt.

Experience

In Toledo, Mailman Lawrence J. Fanelly gave up his job because his feet hurt, promptly set to work on a course in chiropody.

Put your name here



It's the Sensational AUSTIN A40 PANEL

TO
HALVE
DELIVERY
COSTS

Yes, you can reduce your delivery overhead by almost half with the astonishingly thrifty Austin A40 1/2-ton Panel. Dependable, rugged and hard-working, this powerful, speedy delivery unit gives up to 40 miles per gallon of gas! Much lower price, too, thanks to big reductions recently announced on all Austin models.

If you like, you can get the Austin A40 1/2-ton Pickup. Mounted on the same chassis as the Panel, it provides all the economy and the many other desirable features of its running mate.

Also available in the lowest price field is the versatile Austin A40 Countryman, an economical, modern, roomy station wagon accommodating six passengers.

Immediate delivery on
all three models is
assured. See your Austin
Dealer now!

Austin A40 Service and Replacement Parts are
Readily Available Throughout Canada and U.S.A.

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"Little Giant" SUN VISOR

EVERY DRIVER'S
BEST FRIEND

FITS ANYONE — ADJUSTABLE

Available in two models —

A. To fit over your hat or cap, and

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Cuts out all sun or other bright glare from your eyes, fits your pocket when not in use.

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Enclosed please find Money Order in the amount of \$. . . for
which please send me . . . Little Giant Sun Visor(s). Colors:

MODEL A . . . YOUR NAME

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ROLL YOUR OWN
BETTER CIGARETTES
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This Year With



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Galvanized Steel
GRAIN BINS

How much will you pay out for grain storage, or for poor storage, this year — next year — during the next ten, twenty or forty years. Added up it will come to many times the cost of Butler Galvanized Long-Life Grain Bins. Built into every one is forty years' experience of grain bin fabrication. Butler Bins that have been storing grain every year for the past forty years are still providing complete protection against weather, rodents and grain deterioration. A limited number of Butler All Steel Grain Bins are available for Alberta farmers this year. Reserve one now. Write, wire or call for further details.

Butler Long-Life Junior, 1,000 Bus. \$355.00

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If You'll Harvest
10,000 bus. or Over



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Meet Your Needs

If you farm on a big scale, plan to store your 1949 harvest in a QUONSET Stran-Steel Building. A Quonset will cut your grain storage costs to a matter of pennies. Weather and rodent proof, lightning and fire safe, permanent, easily erected and easily extended, a Quonset is one of the finest investments you can make in a farm building. It is readily adapted to a score of farm uses. There's a size for every farm. Be ready for harvest. Get details today.

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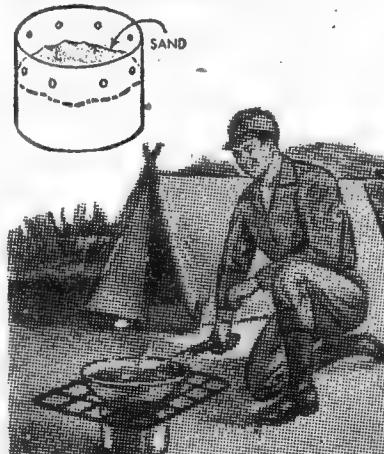
CALGARY
603 - 8th Avenue West

EDMONTON
10758 Jasper Avenue

Farm Devices

By Courtesy of the "Popular Mechanics Magazine"

COFFEE CAN SERVES
AS CAMP STOVE



FOR camping, picnics or long motor trips, an old coffee can provides a cookstove that heats for almost half an hour without re-fueling. Fill the can two thirds full of sand and punch ventholes around its side just above the level of the sand. Then pour about two thirds cup of gasoline or fuel oil over the sand. Caution: Do not pour gasoline or oil over hot sand. Allow the sand to cool for at least five minutes before re-fueling the stove.

* * *
HOSE BUMPER FASTENED
TO HANDLE IMPROVES
POSTHOLE DIGGER

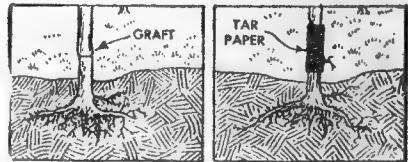


WORKING with a posthole digger is likely to result in sore fingers, as the hands are often brought sharply together when opening the tool. This is avoided by mounting a short length of garden hose between the handles to serve as a bumper. Nailed to the inside of one of the handles, the hose will keep them spread apart sufficiently to protect the fingers.

INSTALLING WALLBOARD AROUND PIPE

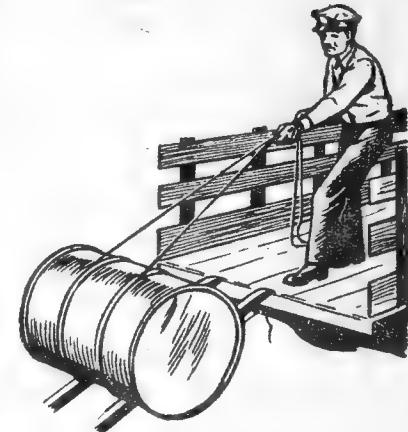
WHEN wallboard must be fitted around a pipe, unsightly saw cuts are practically eliminated by cutting out an angular segment of board instead of making straight cuts from the edge of the board to the pipe hole. Whether cut out for one pipe, A, or two pipes, B, the sides of the angular segment will fit snugly and the saw cuts can be hidden with a coat of paint. With the segment in place, the edge of the wallboard is slightly uneven because of the saw cuts, but this irregularity can be hidden by covering it with quarter round.

TAR PAPER WRAPPED
AROUND GRAFT PREVENTS
REROOTING OF TREE



EVEN though a dwarf apple tree is planted properly with the graft above the ground, sometimes the top part of the tree will send out roots which cause it to grow to full size. This can be prevented by wrapping tar paper around the graft and tying it with cord. After one or two seasons, the tar paper will fall apart but, by this time, the dwarf rootstock will have taken a good enough hold to eliminate the possibility of roots growing out from the lower end of that portion of the trunk which has been grafted onto the rootstock.

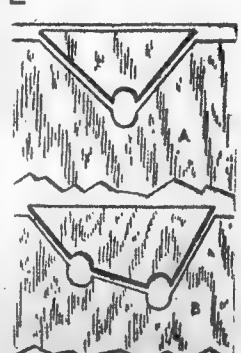
LIFTING DRUMS THE EASY WAY



IF help is not available to raise a drum, tie ends of two ropes near top of skid, pass under and over drum and pull on free ends.

DIMENSION TABLE FOR STANDARD PIPE MINIMIZES MEASURING ERRORS

PIPE SIZE	1/8"	1/4"	3/16"	5/32"	15/64"	1/2"	1 1/16"	1 1/8"	1 1/4"	1 1/2"	1 5/8"
INSIDE DIAMETER	5/16"	1/2"	15/32"	45/64"	135/64"	15/16"	1 15/64"	1 3/8"	1 15/32"	1 5/8"	1 15/64"
OUTSIDE DIAMETER	9/16"	5/8"	19/32"	25/32"	1 1/16"	1 1/2"	1 15/32"	1 3/8"	1 15/32"	1 5/8"	1 15/32"
APPROXIMATE THREAD LENGTH ONE END	1/8"	1/8"	3/16"	5/32"	15/64"	1/2"	1 1/16"	1 1/8"	1 1/4"	1 1/2"	1 5/8"
APPROXIMATE THREAD LENGTH BOTH ENDS	1/8"	1/8"	3/16"	1"	1 1/16"	1 1/2"	1 1/8"	1 1/4"	1 1/2"	1 5/8"	1 15/32"



Mechanical tree planting machine plants 1,000 shrubs an hour

by Kerry Wood

PLANTING eight hundred and eighty trees in forty-five minutes is the new record for speedy tree-planting established in the Central Alberta district, achieved by using a new mechanical tree planter. The trees used in the demonstration were young Manitoba Maples, spaced six feet apart and planted on Bud Smith's farm east of Red Deer. Two men were seated on the planter feeding the young trees into the mechanical fingers of the machine, while the farmer himself drove the tractor pulling the revolutionary new implement. A similar three-man team using the old dig-a-hole with a shovel method, would have been hard pressed to have accomplished the same feat of planting nearly nine hundred trees in a couple of day's time.

The mechanical tree planter, a Lowther implement made in the United States, is one of two such machines imported by the Alberta Department of Agriculture to permit District Agriculturists to demonstrate to farmers the advantages of this speedy new way of planting windbreaks, shelter belts, and farm woodlots. John E. Eaglesham, District Agriculturist for the Red Deer region, and F. F. "Parky" Parkinson, Agricultural Engineer at the Olds School of Agriculture, were both on hand on May 17th and 18th when the government's tree planter was brought to the Red Deer district for demonstration.

Mr. Parkinson had made some changes to the machine to speed up planting operations. For example, the machine was originally designed as a one-man planter, but Mr. Parkinson added another seat and placed them on either side of the feeder, thus permitting a double-feed operation which naturally doubles the speed of planting. He also added a spacer, accomplishing this by attaching a six-spoke wheel with adjustable "clicking" device, to permit the operators to feed seedling trees into the mechanical fingers on the "click", and thus obtain an accurate spacing of the trees at any specified distance from 18 inches up to 6 feet or more.

Better Pasture

Only a few farmers took advantage of the mechanical planter's presence in the Red Deer district, but several dozen saw the machine in operation and became most enthusiastic about its performance and about this time-saving and easy

method of planting trees. Bud Smith and Stanley Glover, farmers located east of Red Deer, availed themselves of the planter on May 17th, while Roy Swainson, the district's largest turkey raiser, had the machine on his Burnt Lake farm west of town on the 18th. On that day the machine planted 5,000 caragana shrubs on Swainson's farm, to create windbreaks and shelters for turkey pastures.

The tree seedlings and shrubs used in the demonstration were obtained free of charge from the Dominion Tree Nursery at Indian Head. Farmers may select nursery stock from a wide variety of trees, such as Manitoba maples, white and green ash, northwestern poplar, elms, oaks, golden and acute-leaf willows, caragana, and spruce. The only condition the govern-

ment requires is that the land to be planted must be in summer fallow. Both the Dominion and Provincial governments supply complete planting instructions to all farmers applying for free trees.

Mr. Eaglesham explained that the provincial government obtained the mechanical planters to use as demonstrators, to show farmers that tree planting was no longer a slow and tedious job. Anyone who saw the planter perform agrees that this modern way of planting takes all the drudgery out of the operation; any man who can drive a tractor in a reasonably straight line can plant himself a windbreak hedge with one of these machines in an hour's time or less.

While few farmers will want to spend \$800 for such an im-

plement, (the price delivered in Alberta) the District Agriculturist believed that some rural municipalities would buy such machines, loaning them to farmers in their districts to help along the good work of planting shelter belts, windbreaks, and snow-fence hedges. Mr. Eaglesham reported that Red Deer farmers who had applied for nursery stock and were in a position to take advantage of the mechanical planter's presence in the district were entirely satisfied with the quality of its work, and all who saw the demonstration had high praise for the machine.

UNSEEN DANGER

RURAL water supplies can be a source of danger if the wells are not constructed in the proper manner. The well should be placed on fairly high ground so that surface water cannot drain into it. It should be covered to protect it from dirt and should be cleaned regularly. Most areas in Canada provide a testing service to ensure that well water is free from dangerous bacteria.

THE SECOND IN A SERIES
PRESENTED BY
THE ALBERTA BREWERS' AGENTS
DEALING WITH

PREDATORS OUTLAWS AT LARGE

Owls and Hawks
Summer Friends--Fall and Winter Foes

When you see a hawk or owl perched around the farm these days you can be sure that gophers, mice and other rodents on your farm are in for trouble. During spring and summer these winged hunters account for great numbers of grain and produce eating rodents. Owls and Hawks should not be molested or killed during these seasons.

As soon as the rodents hibernate, however, reach for your gun when you see a hawk or owl lurking around. Ten chances to one it is desperately hungry and waiting to pounce on domestic fowl or turkeys. Keep an eye open for these marauders in the late Fall and Winter and shoot to kill if you get one in your sights.

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the interests
of livestock
and game
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ALBERTA BREWERS' AGENTS LIMITED
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MR. DAVE DUCHAK
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YOU May Be the WINNER if you
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for ALBERTA FARMERS

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If you have not patronized Alberta Pool
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The Alberta Wheat Pool is your surest
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Alberta Pool Elevators has returned to
member patrons in the past 22 years \$8.7
millions in cash, and \$3.5 millions in the form
of Pool reserves.

Alberta Pool Elevators

Farmer-Owned Co-operative

What to do about sparrows

Many farmers want information
about destroying House Sparrows,
usually called "English" Sparrows —
although House Sparrows are native
to most parts of Europe and Asia
and aren't particularly Anglican.
Farmers of the Vegreville, Alberta;
Weyburn, Saskatchewan; and Bran-
don, Manitoba districts have all writ-
ten within the last month to ask for
Sparrow Control information, indicat-
ing that the sparrow problem bothers
farmers in all three prairie provinces.

We all know the obnoxious nature
of House Sparrows. They defile
grain, hay, and machinery in our
granaries, lofts, and out-buildings.
They fill house cornices and eaves-
troughing with their unsightly, large
nest accumulations. Our favorite box-
nesting birds, Tree Swallows and
Bluebirds, are driven away from the
bird houses we make for them by
these feathered bullies our forefathers
imported from the Old World. And
their noisy chirpings provide harsh
discords that mar the spring sym-
phony of migrant songsters on beauti-
ful May mornings.

We should not forget that House
Sparrows prey on insect fare during
the time they are feeding their young
fledglings in the nest. But this is a
comparatively brief period, and the
rest of the time their feeding habits
are not beneficial. Indeed, sometimes
they are distinctly harmful, raiding
our grain fields in large flocks (not-
ably in Eastern Canada) and causing
serious losses. They are disliked by
both farm folk and city house-holders,
and most of us would be quite willing
to do without these tough little bird-
gangsters.

But control methods are almost
hopeless, and only give us temporary
relief at best. We can reduce their
numbers in our own immediate vi-
cinity for a short time, but before
long other sparrows move in from sur-
rounding districts and the problem
starts all over again.

However, if you want temporary
relief from sparrows, there are work-
able traps which may be built out of
half-inch chick-wire. Traps patterned
after the Australian Crow Trap
illustrated in the February, 1949,
issue of the Farm and Ranch Re-
view, work quite well, reducing the
over-all size to 18 by 30 inches by 12
inches high, with a 2-inch opening or
entrance slot, and with 6-inch wire-
flaps hanging down on either side of
the opening slot to within 2 inches of
the floor. One man trapped over
twelve hundred sparrows in such a
trap in one year's time. A wire fun-
nel trap is also good, the funnel
entrance tapering down to a 1½-inch
opening raised six inches off the trap
floor. Some city dwellers use an ordi-
nary bird-house with a string re-
leased spring-flap that closes over the
entrance hole once the sparrow pops
inside, but this single-bird system
is much too slow for farmers. Many
farmers use poison to destroy spar-
rows, mixing gopher poison with
cracked grain and setting out this
bait in barn lofts where only sparrows
live. But remember, the use of poison
is always dangerous. It may cause
the deaths of other creatures, either
directly by dining on the poisoned
bait, or indirectly by eating poisoned
sparrows.

For those folks who want to de-
stroy a few individual sparrows that
bother bird-houses near the garden,
an old .22 loaded with .22 shot shells
provides an effective sparrow-eradi-
cator at 25-foot ranges.

Farmer ball-players



The veterans who operate the Matador Co-operative Farm in Saskatchewan can usually find an excuse to take time out for a baseball game. Reading from front to back in this picture are Lorne Dietrick, catcher; Roy Bishop, Bill Zazelenchuk, Hollis Walker, Alvin Tone, Frank Barlow, Glen Davis, Jack McClelland and Ed. Tone.



The bluestone treatment will lengthen fence post's life

BLUESTONE, otherwise known as copper sulphate, is a satisfactory treatment for green poplars and willows, as well as other green woods. Commercial bluestone is available through hardware dealers and costs about 15 cents per pound today. It is recommended that a saturated solution of bluestone be used and this requires 2½ to 3 pounds of bluestone per gallon of water.

A concrete vat should be constructed in an excavation in the ground. One that is 4 feet wide, 4 feet to 6 feet in length, and 3½ feet deep, with 4-inch walls, will be suitable to handle 150 to 200 posts depending on their size. Wooden barrels may be used for a few posts, but the bluestone solution which rapidly corrodes metals will soon damage the barrel hoops. Fill the vat with sufficient concentrated bluestone solution so that the butt ends of the posts will be standing in 2½ to 3 feet of it.

The amount of the solution which will be absorbed by a post depends upon the length and thickness of the post and the time at which it is treated. A poplar post cut green and treated in the spring will probably take 10 per cent of its weight of the solution. Some operators plan to add 100 pounds of bluestone to the vat, and enough water to maintain the depth of the solution for every 700 posts treated.

Early spring is the best time to cut poplar posts, and they should be treated as soon as possible after cutting so they do not have a chance to dry out. The posts take the treatment more rapidly on a warm sunny day. Posts to be driven should be sharpened before treating, and the bark should be peeled from that portion which will be below ground on all posts. In addition, a strip of bark should be removed from the entire length of the post. The posts are placed on end in the vat with the sharpened or butt ends down.

Under favourable conditions, treatment will be completed in 6 to 12 hours. The progress of the treatment can be noted by watching the blue

colour rise along the peeled strip. As soon as the colour reaches the top of the post, treatment is complete and the posts may be stacked ready for use.

Fences constructed with bluestoned poplars in 1926 at Manyberries are still giving good service with over 90 per cent of the original posts still sound. Other similar fences in the area adjacent to the Cypress Hills, built as early as 1905, today retain the major portion of the original bluestoned poplar posts — after 43 years. Poplar posts 3 to 5 inches in diameter are preferred, as smaller pickets will tend to break at the ground line.

New bloodless method of lamb docking, castration

A BLOODLESS method of castrating and docking lambs as practiced in New Zealand, is now being used by sheep growers in North Dakota.

A specially compounded rubber ring is applied to the lamb's tail or scrotum by an instrument known as an elastrator. These rubber rings stop blood circulation and cause the scrotum to drop off in from 2 to 3 weeks and generally the tail to drop off in from 4 to 6 weeks.

Some sheepmen prefer this method for docking, others prefer it for castration.

Advantages of elastration, besides being bloodless, Buchanan says, is that it can be performed during any kind of weather, it is more likely to avoid trouble from flies and screw worms, and the operation is relatively simple.

One precaution should be observed. After the ring has been applied hold the lambs in a separate pen because they will roll and tumble about for a period up to a half hour. They can then be turned loose with their mothers.

This method is being used by the North Dakota Agriculture College Experiment Station.

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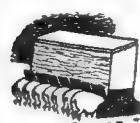


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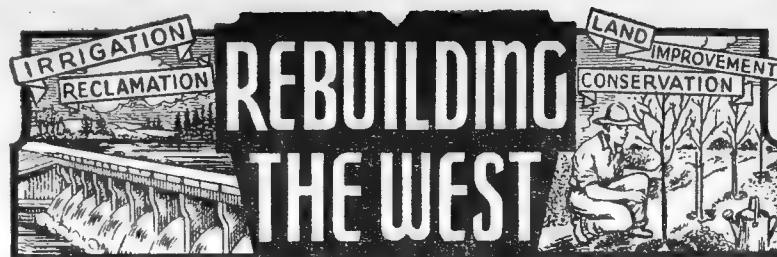
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ROTATING TIRES on cars and trucks equalizes the wear and increases the life of the tires. Here is a recommended method: Shift spare tire to right rear; right rear to left front; left front to left rear; left rear to right front, and right front to spare.



Stop soil drifting by listing fields now!

THE heavy wind which visited all of Southern Alberta on Saturday, July 16th, caused many fields to drift seriously. A. E. Palmer, Superintendent of the Dominion Experimental Station, Lethbridge, drove from Consort to Lethbridge that day and states that he saw fields drifting in every locality from Taber to Consort. A black blizzard was encountered east of Hanna and cars coming from the west were driving with their lights on. Much of this soil had come from points further west in the province.

Commenting on the situation, Mr.

Palmer made the following statement:

This wind gave us a serious warning that difficulties may be ahead. In fact it would be quite possible to have thousands of acres drifting by next spring as fields did in the '30's. There is no question but that these bare fields that now have started to move will drift with every succeeding wind unless they are protected.

It is useless to bemoan the fact that short stubble, careless use of the oneway or lack of germination has caused many fields to be devoid of

cover protection or that those so protected are not drifting. Neither does it help to point out that in south-western Alberta most fallows have good protection. The point now is that these unprotected fields can be prevented from drifting quite easily.

The remedy is a light listing, but this should be done soon, before drifting soil piles up or heavy listing will be required as it was in the '30's. There is no question about the ease with which these fields can be stabilized. The Experimental Station at Lethbridge has stopped hundreds of acres in this way from drifting and many farmers have done the same.

All that is required is to equip a duckfoot cultivator with lister shovels, placed 4 feet apart, and list the field as deeply as the shovels will go, which will likely be 4 to 6 inches. If a duckfoot is not available, a lister can be made from a oneway by removing all but every third or fourth pan. The cost of this light listing is very little and the results are effective.

Of course, furrows should be made approximately at right angles to the prevailing wind, that is, if the drifting winds come from the west or south-west, furrows should be north and south, if from the north, then furrows should be east and west. South of the Red Deer river, most listing should be north and south.

The lister furrows can be filled in the spring by one cultivation with a duckfoot cultivator operated the same direction as the listing.

Both listing and filling the listed furrows are simple operations but the practice is almost sure to save the fields. However, says Mr. Palmer, action is required now.

Increase in cutworms is forecast for 1950

PALE western cutworm damage was not generally widespread or severe during the 1949 season. Light and spotty infestations occurred in a few areas in Alberta and Saskatchewan. Fields in one or two districts were severely damaged and required reseeding.

A cutworm forecast for 1950, prepared by L. A. Jacobson and Howard McDonald of the Dominion Field Crop Insect Laboratories at Lethbridge and Saskatoon, indicates that an increase in cutworm infestations can be expected during the 1950 season. This is based on cutworm surveys and rainfall recorded during May and June.

Best Defense

Summer-fallow operations for the remainder of this season should be planned to prevent cutworm infestations. To accomplish this, all weed growth should be destroyed late in July and the fields then left undisturbed throughout August and the first half of September, when the moths are laying eggs. Cutworm moths will not lay their eggs in fields that are free of weeds and crusted from rains. Disturbance of the crust by allowing livestock to pasture or run on the field may be as serious as if the field had not been worked.

This method of cutworm control should be followed this season in all districts of Alberta and Saskatchewan where May and June rainfall was below normal. Its use is particularly important in districts where pale western cutworm damage occurred this year. Based on larval surveys and rainfall records an increase in the pale western cutworm infestations is expected in the area bounded on the west by Coutts, Wrentham, Taber, Queenstown, Beiseker and Stettler, and on the east by Bengough, Moose Jaw and Davidson. The northern limit runs eastward from Stettler through Alliance, Chauvin, North Battleford and Radisson to Saskatoon.

In the parkbelt and wooded agricultural areas of the prairies, where the red-backed cutworm is the chief species, the same method of preventing infestation of fallow fields should be followed. However, if a tall weed growth has developed by about the third week in August it

should be destroyed, since the red-backed cutworm frequently lays eggs in such fields.

For further information on cutworm control, write to the Dominion Field Crop Insect Laboratory at Lethbridge, Alberta, or Saskatoon, Saskatchewan.

Rural art



This painting of a golden-haired girl in a red jumper is by B. Palsson, Arborg, Manitoba.

Face lifting the land improved irrigation cropping

PEOPLE sometimes have their faces lifted in the hope that they will become more attractive. However, such an operation need not be confined to people. Land can have its face lifted too, and with very pleasing results.

There are many acres of land in the irrigated areas of southern Alberta which, because of slight undulations as well as knolls and depressions, are difficult to irrigate, awkward to work, and less productive than they should be.

In the fall of 1948 an area of 60 acres of unimproved irrigated land on the Lethbridge Experimental Station was given a face lifting treatment. Of the 60 acres some 10 to 15 acres lay in depressions from which it was not possible to drain any excess of irrigation or precipitation water. Dry knolls to which water could not be applied accounted for a further 7 acres of land which

was undesirable from an irrigation standpoint.

Using a twelve cubic-yard capacity earth mover with a suitably powered track-type tractor, knolls and fill ditches were removed and depressions filled. In accomplishing this leveling process the topsoil was first stripped from both the knolls and the depressions, then the required amount of subsoil was taken from the stripped knolls and placed in the stripped depressions, after which the topsoil was replaced on both areas. A system of drainage-ways was made so that any excess irrigation or natural water could be led away and spread over other fields at a lower elevation.

The effectiveness of this land face lifting operation has recently been demonstrated. The entire area of 60 acres has just been irrigated without

leaving a square foot of soil dry and without any standing water remaining. Water which found its way into the drainage-ways was spread on a large pasture.

How much did the job cost? Based on prevailing custom rates for similar earth moving equipment it is estimated that the operation cost about \$54.00 per acre. At first glance this may appear to be a high price to pay. However, on the other side of the ledger the following credits may be listed: 50 per cent more productive cropping area, a vast improvement in ease of irrigation, and better field layout with no fill ditches to prevent working across the entire field.

With the arrival of a very intensive type of farming in irrigated areas it has become increasingly im-

portant to make the best possible use of the land. Perhaps your land would benefit from a face lifting.

Sask. butter production down

REGINA.—Creamery butter production in Saskatchewan during the first half of 1949 was down about a million pounds from that of the corresponding six-month period last year, the dairy branch of the provincial department of agriculture reported.

Output for the first six months of this year was placed at 14,311,073 pounds compared with 15,313,770 pounds for the same period last year.

Progress report on Morden crabs

ORNAMENTAL crabapples continue to impress gardeners with their great worth. The hybrids which carry Redvein crabapple (*Malus niedzwetzkyana*) blood are known as Rosyblossoms. Their presence on the landscape, or in the orchard, brings a striking display of colorful bloom to the scene. The Rosyblossoms mostly carry much red in their flowers. In many selections the red hues fade out considerably. Other types take on murky shades as the petals age, while the choicest class retain fiery coloring until the showy parts of the flower have dropped. Examples of this desirable characteristic are Almey and Red Silver.

This May a number of varieties still carried 1948 fruits until the 1949 fruits had begun to swell. The habit of wearing fruit through the winter is reckoned an important merit in prairie Canada where the dormant season is long and where grouse and other birds may encounter a shortage of winter food.

Spring opened quickly. Crabapples were showing plenteous bloom by mid-May. On the morning of May 24 a frost of 8 degrees, — an unusual and painful experience for late spring season, did harm to bloom and young fruits. However, a considerable crop is progressing on ornamental crabapples.

Almey (Morden Rosy bloom 452) continues to exhibit much merit. The tree is vigorous, bears bountifully year after year, has large bright red flowers, and small scarlet fruits which are retained until spring. These make good food for winter birds.

Sundog a shapely tree of columnar form is healthy, clean, and bears large pinkish flowers with a trace of mauve tinting.

M.R. 455 is deserving of more extended trial. The small maroon fruits remained until this year's deeply colored flowers had fallen. The narrow upright tree has dark winter bark.

M.R. 454 is even more columnar than the last two. Flowers are small but bold. Bark is dark ox-blood maroon. Fruits are small and decorative.

Strathmore is another narrow upright tree. This May it bore its first flowers at Morden. These resembled the well-known Hopa but were about 3 days later, somewhat darker and less fading.

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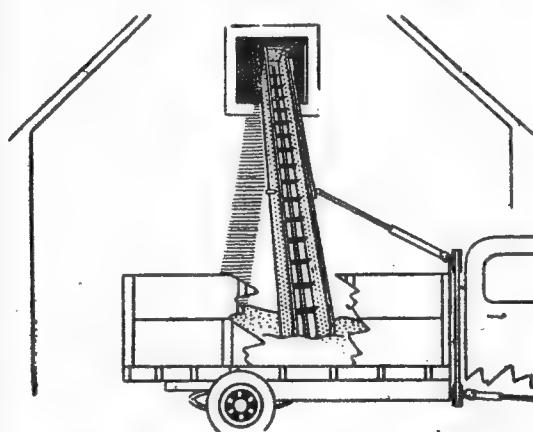
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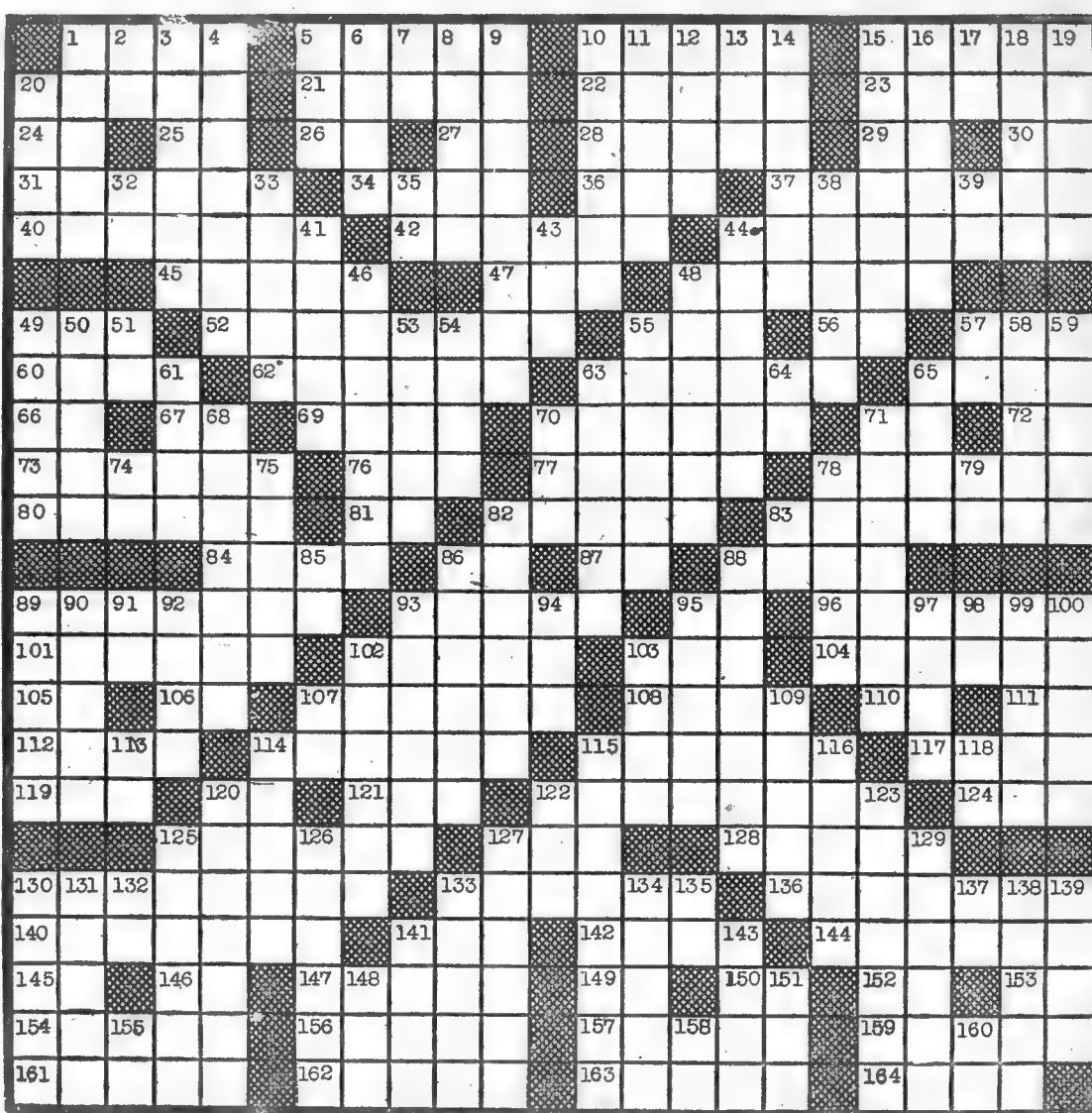
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1 Spanish house
5 Condiment
10 European country
15 To exclude
20 Governed
21 To think
22 Spear
23 Man's name
24 Teutonic god
25 Artificial language
26 Pronoun
27 Aloft
28 Change
29 Hebrew month
30 Spanish article
31 To state
34 Hindu garment
36 New Zealand parrot
37 Chemical power
40 Coins
42 To furnish
44 Most trying
45 To perform
47 Butterflies
48 Difficult
49 Pouch
52 Twilight
55 Weight of India
56 Rupees (abbr.)
57 Sodium chloride
60 Love deity
62 Leaped

63 Declares
65 Pineapple
66 Part of "to be"
67 Parent
69 Gaelic
70 Squamous
71 Sun deity
72 Roman gods
73 Geese
76 Suffix:
77 Gazed
78 To worry
80 Ditch
81 Plural ending
82 Tended
83 To hold
84 Swine
86 To act
87 North central state (abbr.)
88 Saucy
89 To foster
93 Inclinations
95 Chaldean
96 Soldiers
101 Parts of
102 To depend
103 Unit
104 Top
105 European
107 To thrive
108 Turbulent
110 Parent
111 Chinese
112 To repair
114 Bed canopy
115 Item
117 Dance
119 Prefix: for
120 Pronoun
121 To spread
122 Flower-like ornaments
124 American humorist
125 Vocalist
127 Total
128 Russian depot
130 Slanders
133 Ostracise
136 To run
140 One who cuts
141 Refuse of flax (Scot.)
142 Humble homes
144 Continued story
145 European river
146 Look!
147 Watered silk
149 Italian article
150 Paid notice
152 District Attorney
153 2000
154 To enroll
156 To change
157 Permission
159 Stoves
161 Brings up
162 Approaches
163 German city
164 To scold

VERTICAL

1 Anathema
2 Mulberry
3 Calm
4 Idolizing
5 To awe
6 Imitates
7 Greek letter
8 To grow useful
9 Complain-ing
10 Quenches
11 More wan
12 Pilaster
13 Dessert
14 Hysteria
15 Traders
16 Coals
17 Prefix: double
18 Fish sauces
19 To rent again
20 To gather
22 Symbol for stannum
33 River ducks
35 Symbol for argent
38 States
39 Compass point
41 Extent
43 Andiron
44 Classified
46 Lingers
48 Rang
49 Animal
50 Mail
51 Depart
53 Spars
54 Arrow poison

55 Glared
57 Italian: yes
58 Mountain range
59 Dens
61 Bridge
63 Disdains
64 Man's nickname
65 Strokes
68 Secures
70 Resort
71 Platform
74 French article
75 Marksmen
78 Harbors
79 Pronoun
82 Kind of eel
83 Hebrew letter
85 Earth goddess
86 Having
88 Church
89 To dress up
90 One borne
91 Eskar
92 Fermented drink
93 Pognant
94 Number
95 To join
97 Persian
98 Sacred
99 Heaped
100 Fence
102 Rushes
103 Is indebted to

107 To exist
109 Same
113 Japanese drama
114 Under strain
115 Home
116 Jumps
118 Babylonian god
120 Reflects
122 Speed
123 One who hastens
125 City official
126 A European
127 Swords
129 List of errors
130 Turkish coin
131 Glistened
132 Hebrew letter
133 More exposed
134 Parts of shoes
135 Height (abbr.)
137 Sloth
138 Mexican dish (variant)
139 Shade trees
141 Fiber plant
143 To rescue
148 Palm leaf
151 Study
155 Symbol for tantalum
158 Because
160 Symbol for nickel

SOLUTION NEXT MONTH



LETTERS TO THE EDITOR

Approves
Customs Union

To the Editor:—

I take this opportunity of thanking you for your editorial of the July issue, in connection with prices, etc., in the United States and Canada.

I have contended for the moves which you advocate for many years and still do. I find that people in large numbers are coming to see this point of view and I happen to know that many letters to the daily papers are being received by the editors and consigned to the dump.

I will always be glad to assist in any way possible, any person or group who take any proper action to achieve the results suggested in your editorial.

H. A. Traxler.

Nature's
balance

To the Editor:—

I think if all those scientists were to leave poisons alone and would stop to think, that all things, weeds, bugs, etc., are sent for a good purpose, and we should well enough alone and let Nature take its course, we should all be better off.

The damage the poisons are doing both to insects and to birds are numerous and will in time destroy mankind, animals, etc. Poisons may do good one way but are disastrous on other things. Insects live on each other; do a lot of good. Some years when there is no clover, the bees have to find something else. So they go to other flowers which may be a pest to the farmer but good for the bees and other insects which carry pollen.

No matter how we look at it there is good in all things, so I say let Nature take its course. It will be better in the long run.

Even the lady bugs are scarce. I used to see lots of them, and this year I saw one. Where are they? Poisoned, I guess. If it wasn't for the birds we could not breathe. Even the lowly sparrow has its good points, and yet egg hunters are always destroying eggs. The weeds fertilize the land, and in dry years they will be good to feed stock, like the thistle in the 30s, so let us think and give up the poison. Everything is sent for a purpose. It's true what the gentleman wrote that bugs keep us alive, it's all to true.

E. M. V. Berghe.
Box 68, Deloraine, Man.Social Crediter
no longer

To the Editor:—

I agree with your editorial of the June issue (Splinter Groups). But very decidedly Mr. M. O. Rollefson of Barons, Alta., does not. Undoubtedly Mr. Rollefson is a true Social Crediter. I thought I was too, till last provincial election. After 15 years I fail to see any Social Credit policy implemented, let alone any S.C. policies put in effect at Ottawa.

After all Social Credit is only a political theory, that seems to be only that!

To challenge in open debate the myth (Social Credit) is as foolish as sending Social Credit representation of non-effect to Ottawa!

As far as our Alberta government is concerned they have given its people honest administration and done as good as any, baring some bad legislation and propaganda. If they have implemented anything, based on Social Credit policy, I failed to see it.

T. F. Laboucane.

Lac la Biche, Alta.

Social Credit and
family allowances

To the Editor:—

Your correspondent, M. O. Rollefson of Barons, in your July issue, seeks to use the Farm and Ranch Review for re-consideration of Alberta Social Credit claims. With ten deluded constituencies still sending "Social Credit" representatives to Ottawa, Mr. Rollefson's suggestion is not unreasonable.

He repeats an extraordinary statement, made continually in the recent campaign by Social Credit promoters, that family allowances are Social Credit. If so then the same must be true of old age pensions, widows' allowances and municipal relief.

The claim is false, because Social Credit professes to be a way of creating NEW purchasing power supplementary to that now in existence. Family allowances through taxation

are a transference of existing credits.

In the Edmonton Canadian Social Crediter this week (July 7th), it publishes what it calls "A simple explanation of Social Credit for new readers." It explains "how Social Credit scales would balance" thus:

"The price of goods	\$2,400
"The people earn	\$1,400
"Price discount New Money	480
"Tax reduction New Money	120
"National dividend New Money	400
	\$2,400
	\$2,400

It deliberately fails to tabulate all those financial costs which, under the capitalist system, enter into the cost of production to an estimated amount of at least thirty per cent.

In other words, it proposes to issue over thirty per cent of new purchasing power without cancelling what is already in existence.

That is to say, Social Credit proposes to issue two monetary claims for each piece of over one-third per cent of Canada's total production!

In his last paragraph, Mr. Rollefson "has the audacity to suggest" (that is his own expression about you, Mr. Editor) that "no individuals can be found willing to accept a challenge to hold open discussion or public debate on Social Credit philosophy."

The truth is that it is part of the philosophy and policy of Social Credit, as stated by Major Douglas and all his promoters in Canada and elsewhere, to refuse public debate. They know their economic claims are nonsense and the purpose for which

they are made is presumably something much more serious than the foolishness of their words as they vibrate in uninformed minds.

This, we know, "Social Credit" is a political game of hide-and-go-seek with truth.

John F. Milner.

Fallis, Alberta.

New grass killer
not for lawns

R. M. FERGUSON of Dow Chemical of Canada's agricultural chemical sales division, reports that his firm has received many calls from home owners asking where the new quack and crab grass killer, Sodium TCA 70%, can be purchased. Ferguson points out that TCA kills all sorts of grasses and will kill lawn grasses as well as quack, Bermuda, Johnson and crab grass.

The product is being offered to the agricultural market and it is recommended that it be used on grass-infested crop lands in the fall after the crop is harvested. Used in this manner, the field will be relatively grass-free in the spring. Sodium TCA 70% is a temporary soil sterilant. If used in the fall, however, the fall and winter rains will leach most of the material from the soil before the spring planting.

Made Work

In Fort William, Ont., Charles Matthew explained why he had started a forest fire: he only wanted a job putting it out.

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TURBINE*
WATER SYSTEMS

CITY WATER PRESSURE ON YOUR FARM . . . 24 HOURS A DAY

Self priming . . . completely automatic, the dependable MASTER Turbine operates smoothly . . . quietly, to keep water pressure at a constant high level. There are no belts, gears, valves or plungers to wear out . . . no touching metal surfaces.

When you install a MASTER your first cost is usually your last . . . and a steady flow is always available — actually 40% more water in ground floor and basement taps than rated capacity of pump. For water when you want it — install a MASTER.

*** JUST ONE MOVING PART!**

The all bronze impeller on stainless steel shaft is supported by ball bearings on both sides. Nothing to vibrate, rust or corrode . . . nothing to require replacement.

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AND NAME AND ADDRESS OF
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GOONLAND

THE FAMILY ENTERTAINER

BY
A.W.NUGENT
THE WORLD'S
LEADING
PUZZLEMAKER



CHANGE GOLD TO CASH IN
SIX STEPS. SUBSTITUTE
ONE LETTER TO FORM ANOTHER
WORD IN MAKING EACH MOVE.



GOLD

1 G O L D
2 E O L D
3 C O S T
4 C A S H
5 C A S T

CASH

IF YOU PRINT
THE CORRECT
WORDS IN THE
BOXES READING
ACROSS, THE SAME
WORDS WILL READ
DOWNWARD.

HERE ARE
THE DEFINITIONS:

1, AN INSECT;
2, A CONTINENT;
3, TO HUM; 4,
TO SEEK OUT
(A PERSON) BY
CALLING HIS
NAME.



1 K 3 D
6 L 5 V
9 I 7 G
2 E 4 B
7 W 6 R
4 P 2 F

ANT ANTICS

I'VE GOT ANTS IN
MY PANTS THAT
ARE REALLY ALIVE,
THEY'RE JUST AS
BUSY AS BEES IN
A HIVE.



INTO YOUR HANDS
THIS SKETCH
PLEASE HOLD,
AND DO EXACTLY
AS YOU'RE
TOLD



I TOLD THE CARD ABOUT THREE INCHES AWAY FROM
YOUR EYES AND CONTINUE TO TURN IT
SLOWLY AROUND, BY PASSING IT FROM ONE HAND
TO THE OTHER... THE BUSY ANTS WILL THEN
APPEAR TO WALK RAPIDLY AROUND.

12-1-46

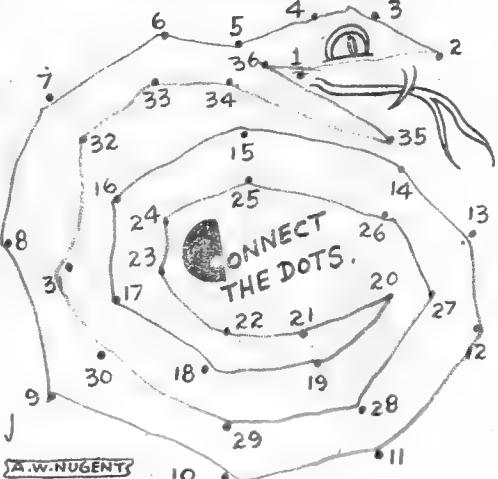
(Reprinted by The Associated Newspapers)



1 K 3 D
6 L 5 V
9 I 7 G
2 E 4 B
7 W 6 R
4 P 2 F



TWO WISE MICE ARE
HIDING FROM THESE HUNGRY CATS AND CAN BE SEEN
RIGHT BEFORE YOUR EYES. CAN YOU FIND THEM?



CAN YOU
SPELL THREE
FOUR-LETTER
BIRDS BY USING
EACH OF THESE
LETTERS ONLY
ONCE?

• PUZZLE
ANSWERS



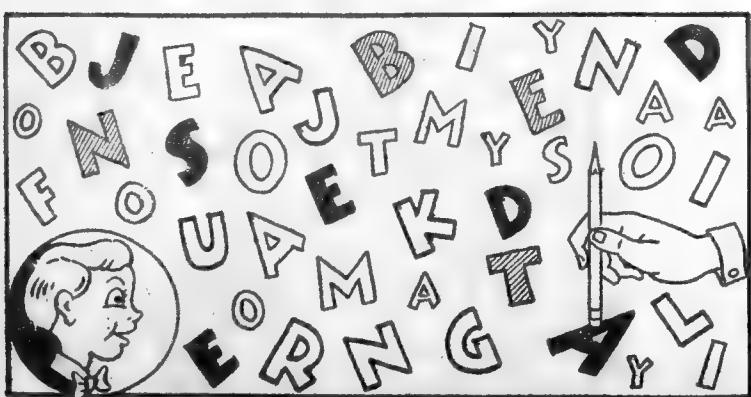
SEE IF YOU CAN WRITE THE
NINE NUMBERS SHOWN AT
THE TOP, ONE INTO EACH SQUARE,
SO THAT THE THREE VERTICAL ROWS
OF NUMBERS WILL TOTAL EXACTLY 32.

WHAT
WELL KNOWN
PROVERB DOES THIS REBUS
PICTURE REPRESENT?

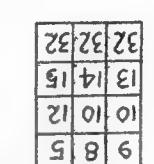


A NAME GAME

TWO OR MORE PERSONS CAN PLAY.
WITHOUT LOOKING, TAKE TURNS TRYING
TO TOUCH ONE LETTER AT A TIME ON THE
GAME WITH THE ERASER END OF A PENCIL,
AS PICTURED HERE... THE PLAYER WHO FIRST
SUCCEEDS IN TOUCHING THREE SINGLE LETTERS,
IN SUCCESSION THAT WILL SPELL A THREE-LETTER
BOY'S OR GIRL'S NAME WILL BE THE WINNER.



ACCD
KNOR
SUWV

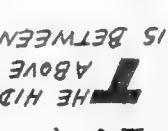


WORD-SQUARE:
H HOW TO ARRANGE THE
NUMBERS TO MAKE
EACH ROW ADD TO 32. ←
15 14 13
10 10 12
9 8 5

IS BETWEEN THE TWO LARGE TREES.
THE HIDDEN MOUSE ARE UPSIDE DOWN. ONE IS
ABOVE THE LARGE CAT AND THE OTHER ONE
(ON "ST") IS THE BEST POLE! SEE).

HOW TO CHANGE GOLD TO CASH: GOLD, BOLD,
BALD, BASE, CASE, CASH.

12-1-46



Farm and Ranch housewife

DEVOTED TO THE INTERESTS OF THE RURAL WOMEN OF WESTERN CANADA

Hat-Pins for each costume will find a ready sale

By ANN BARRETT

THOSE of us who like to intersperse between work and spare time in making something useful, will be able to indulge their tastes in dabbling with novelty hat-pins to match their dresses and ensembles, at a very trifling cost.

Do you know that with a little originality and artistic skill you can produce most effective colored hat-pins out of sealing-wax, of different colors?

We must confess that we did not know how to make them, until a reader from Aldersyde, showed us how she carried out her own ideas, varying the shapes and colors, in most original designs.

We are sure that many of our readers will want to try their hands in creating their own individual devices and patterns in this craftwork which is so intriguing. You can make them for your own use or for presents . . . and if you want to make extra pin-money, they are sure to find a ready sale.

The following suggestions in the making of these ornamental hat-pins, we hope you will find easy to execute:

Simple To Make

The first step is to have a supply of cheap hat pins with plain black or white heads, also some sealing-wax of different colors. Spread a paper over the table you are working on to catch and stray drops of sealing-wax, and provide yourself with a bowl of water and a lighted candle.

Hold one of the plain hat pins in your left hand, and take a stick of sealing-wax in your right hand and place as near as you can to the flame of the candle without actually touching it, as contact blackens the sealing-wax. Then apply your melting

wax to the head of the plain pin, turning it round and round till the head is well covered. Then with moistened fingers, gently rub and blend into shape the wax to any form you please. The moistening of the fingers is very necessary to prevent the sealing-wax from sticking and from burning the fingers. Whilst shaping and ornamenting the pin, hold over the flame to soften each part as you come to it. The pins can be decorated with an endless variety of objects, such as fancy buttons, glass beads, shells and bits of coral: anything in fact which may turn up in the drawer or box in which you keep your odds and ends.

Originality

Among the dainty-hat pins that were shown to us by our original friend were: A lovely sea-green flower shaped something like a tulip; into the top of which was pressed a grey-blue mother-of-pearl button, which reflected the green color of the sealing-wax. Another pin was shaped like an acorn; and one we admired very much, was one shaped like a shamrock in emerald green sealing-wax with a white pearl bead to represent a dew-drop. A real St. Patrick's Day ornament.

Turquoise-colored wax is most effective with pearls worked into it. A quaint device is to string some beads on thin wire and twine them round a cone-shaped head, burying the ends of the string in the wax. Red wax with coral beads make attractive pins, as well as gold sealing-wax with a green flower and small spiral shells fitted into indentations made in the rim.

Military Pins

Another sort of pin to make, and can be indulged in by those who have souvenirs from brothers, husbands or cousins in the Army, Navy or Air Force. The

making of this kind of pin consists in riveting the military buttons to a steel pin.

An ingenious example of hat pins can also be made of bootlaces and silk cord, but it requires patience and some dexterity.

They can be made from silk cord of various colors to match one's dress, or in tan-colored leather boot-laces.

First form the boot-lace into two loops, then pass the long end of the lace under the right hand side of the second loop, over the right-hand side of the first and so on, till the result is a sort of rose pattern. Now continue with the end of the lace, and carefully follow the first strand in and out, until the strands are threefold throughout the pattern, and lying flatly side by side. Be very careful not to twist the lace, and keep it always the same side uppermost.

Draw in the strands till the opening left is just large enough to admit the head of the pin. Insert the pin, and continue to tighten the lace, following each strand along the whole of its course, until the pin-head is firmly enclosed therein. Then cut off both ends quite close to the pin. The corded silk pins are made in exactly the same way.

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 SATIN FINISH For walls and ceilings.

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Easy to Use**

"SALADA" TEA BAGS



DONNA GILLETT

of Jasper, Alberta, finished her Stenographic Course at Garbutt's in just 6½ months, and is now working in the law office of Porter, Allen and Millard. She says about her work, "I really do enjoy it. The work is so interesting that I wouldn't want to change for any other job."

Donna Gillett

Choose a field of business and secure specialized training for it . . . choose from one of these courses listed below

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- Stenographic
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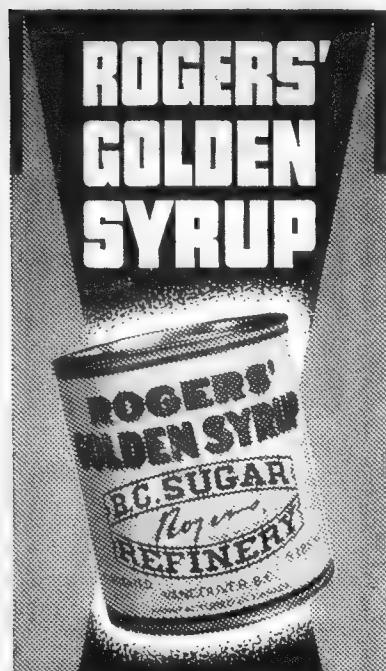


G. A. Garbutt,
B.Com., Principal

The Dishpan Philosopher

WE farmers' wives it seems will be last of the slaves to be set free. No bars criss-cross our window-panes, we don't drag any clanking chains. But just as part of our career we cook twelve hundred meals a year, and often too by hook or crook raise quite a lot of stuff to cook. To list the jobs we sandwich in between these chores I can't begin. We've learned more about more things than any common schooling brings. Job after job we have to try and almost always we get by. The scientists for all their fuss don't seem to have so much on us.

This galloping I surely hope will some day settle to a lope and give us time to hatch a plot for making changes in our lot. Right now it does seem hardly fair we have no time at all that's spare.



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SPRING and early summer were full of disappointments. There were cold, drying winds, drifting soil and scanty rainfall to dash the hopes of even an average crop. Farmers have worked long hours, often till daylight wanes. Those who love the land never watch the clock; one thought, urgent and primeval, dominates their days, and now August is here, a month of unfulfilled hopes, not only for the workers, but for those in distant places who look to them for food.

Three hundred or so years ago, when they took no thought of pensions and collective bargaining, price controls and bonuses, countrymen performed their arduous duties with pleasure. A writer of that time, Nicholas Breton, writes of harvest, which was literally a festival, and long looked-forward to by the gleaners who followed the cart and horses, and gathered the ears dropped on the way. He uses the quaint (to us) wording of the day: "The new wheat makes the Gossips' Cake, the Pipe and Tabor is now lustily at work, and Lads and Lasses will have no lead on their Heels. The Garlands of Flowers crowns the Captaine of the Reapers and the Ale House is more frequented than the Taverne. Oh, 'tis the merry time when honest Neighbors make good cheer and God is glorified in His Blessings on the Earth."

Such simple country joys bring home to us the materialism and artificiality of our life today.

At 6 a.m. morning light has freshened the fading colors before the August heat haze drops its curtain over the prairie. It is truly harvest weather, but the scanty wheatfields have been bleached and shrivelled by hot sunshine. In the city heat dances on the pavements, and on an office calendar a tired worker looks at the bright red

ring around the date when holidays start, and thinks of the lake in the mountains.

Insect life flourishes in August. I expect the scientific naturalist has the name for it, but the ordinary observer like myself simply notices that the coloration (if there is such a word) of insects appears to be related to their color sense. As for instance, the brightest butterflies pick out and alight on the yellow goldenrod, the regal purple poppies, the gay black-eyed Susans. Shiny brown bumble-bees, blundering about on their clumsy, tumbling flight, come to rest on the pink clover and blue asters, probing in concentration. But the fine white florets of the wild carrot, (also known as Queen Anne's Lace) which flourishes freely in the faded grass, do not attract more than the odd dark-greenish beetle, which we used to know as "the soldier," on account of his uniform perhaps. I have seen the disk-like lacy flowers adorned with his brown cast-off wing cases.

Flowers, especially Nature's own, form a happy language of the earth. They bloom in the

austerity of neglected spots, making touches of color against the land made drab by season's adversity. They grow gaily and bravely in spite of long odds. In them we can see encouragement, hope, faith in the final justice of Nature's world, once man has learned how to co-operate and live in it. And in the end, on his grave, they are the last kind words that can be uttered in a language universally understood.

□ □ □

Brightening tarnished gold jewelry

To make dull or tarnished gold jewelry look like new, rub it lightly until bright with a toothbrush that has been dipped first in ammonia, then in baking soda.

Skinny men, women gain 5, 10, 15 lbs.

Get New Pep, Vim, Vigor

What a thrill. Bony limbs fill out, ugly hollows fill up; neck no longer scrawny; body loses half-starved, sickly "bean-pole" look. Thousands of girls, women, men, who never could gain before, are now proud of shapely, healthy-looking bodies. They thank the special vigor-building, flesh-building tonic, Ostrex. Its tonics, stimulants, invigorators, iron, vitamin B₁, calcium, enrich blood, improve appetite and digestion as food gives you more strength and nourishment; put flesh on bare bones. Don't fear getting too fat. When you've gained the 5, 10, 15 lbs. you need for normal weight, Cost little. New "just acquainted" size only 50c. Try famous Ostrex Tonic Tablets for new vigor and added pounds, this very day. At all druggists.

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Popular Pansies



916

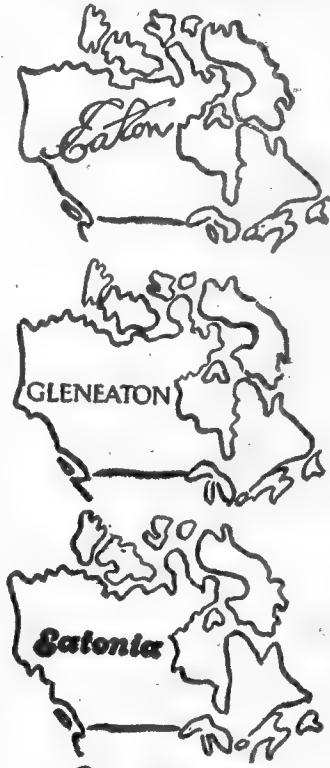
Laura Wheeler

A THOUGHTFUL gift! Pansies crocheted of 2 colors with contrasting embroidered flowers. Use for scarfs, towels, pillowcases.

Little work and much pleasure from Pattern 916. Transfer 6 motifs 5 x 11 1/2 inches; crochet directions.

Send TWENTY-FIVE CENTS in coins (stamps cannot be accepted) for this pattern to Farm and Ranch Review, Needcraft Dept., Calgary, Alberta. Print plainly PATTERN NUMBER, your NAME and ADDRESS.

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Household Hints

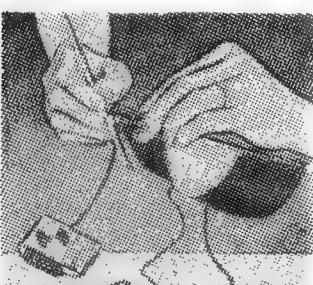
By Courtesy of the "Popular Mechanics Magazine"

DROP LID OF SEWING MACHINE SERVES AS BED TABLE



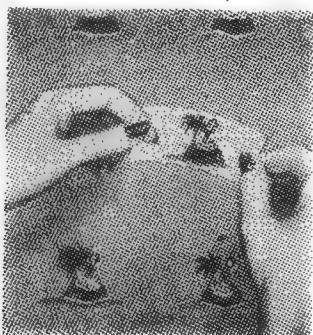
IF you have no bed table, the lid on a drophead-type sewing machine will do in an emergency. Simply wheel the machine in position and open the lid so it extends over the bed and covers the patient's lap. The table can be used for meals, as a writing desk, for reading or for playing games.

□ □ □



WHEN knitting with several different colors of yarn, empty match books make excellent nonslip bobbins for holding the yarn. The flap of the book prevents yarn from unwinding.

□ □ □



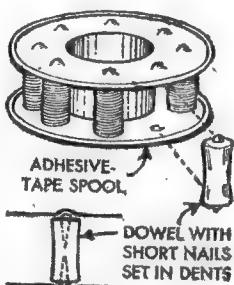
REMOVING DECALS is made easy if cellulose tape is applied to transfer and used to lift it off. The design will adhere and peel with tape.

□ □ □

TAPE-SPOOL HOLDER FOR THREAD

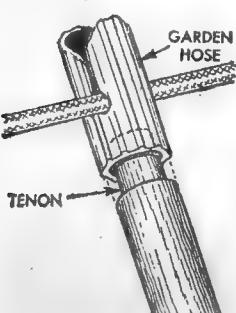
HERE'S a handy reel that will hold many different kinds of darning thread. Take an empty adhesive-tape spool and fit short dowels between the sides. These are pivoted on round nailheads that are set in dents. The dowels should be cut and sanded to have a slightly concave shape. The cover is kept on the spool to make it convenient to carry.

□ □ □

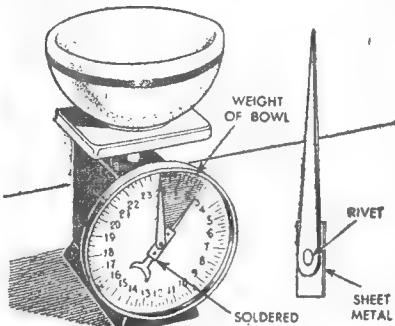


NONSLIP CLOTHESLINE PROPS

ATTACHED to the end of a clothesline prop, a short section of garden hose will keep the prop from blowing over in a high wind. One end of the hose is cut and slotted on opposite sides so that it grips the clothesline tightly, and the other end of the hose is forced over a round tenon cut on the top end of the prop.

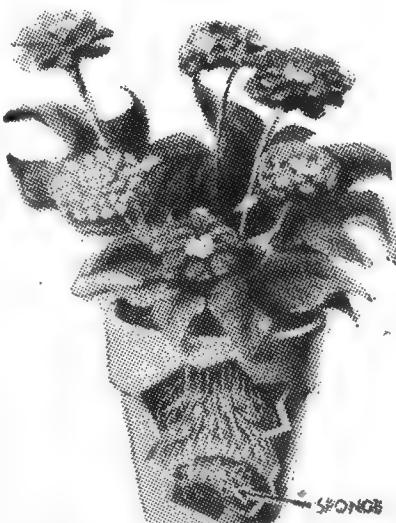


ADJUSTABLE POINTER ON KITCHEN SCALE SUBTRACTS CONTAINER WEIGHT



ESPECIALLY useful when canning fruits or vegetables, an adjustable hand added to a kitchen scale permits the exact weight of the ingredients to be read at a glance and eliminates deducting the weight of the container. The hand is cut from sheet metal and riveted to another piece of sheet metal which is soldered to the original pointer. The rivet should be loose enough to allow the adjustable hand to be moved and should be centered over the shaft of the scale. Before weighing the food, set the container on the scale and move the adjustable hand back to zero. Then, when the ingredients are placed in the bowl, the adjustable hand will indicate their weight while the original pointer indicates the total weight.

□ □ □



SPONGE WATERS PLANT when buried at the bottom of a flowerpot. By retaining water, the sponge serves as wick to feed plant roots. Idea is especially desirable when plants are unattended for several days.

□ □ □

ADJUSTABLE CLOTHESLINE

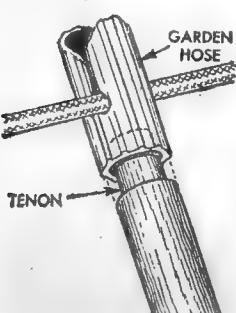
HERE'S a simple clothesline that can be adjusted to any height. It is made from a 10-foot length of 1 1/2-inch diameter pipe. The top end is cut to a 45° angle and the bottom end to a 90° angle. The top end is inserted into a 1 1/2-inch diameter wooden post set in the ground. The bottom end is inserted into a 1 1/2-inch diameter wooden post set in the ground. The top end is inserted into a 1 1/2-inch diameter wooden post set in the ground. The bottom end is inserted into a 1 1/2-inch diameter wooden post set in the ground.

□ □ □



NONSLIP CLOTHESLINE PROPS

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**AUNT SAL SUGGESTS . . .**

This month brings in the season, cheese or scalloped potatoes. Such dishes can be kept surprisingly hot by wrapping in several layers of newspapers.

You all to get some rest.

THREE is the odd day prior to July when we branch forth into summertime pursuits... just as youngsters will coax to go barefoot the first sunny day in March... yet we know it really is out of order to haul out a lunch basket before Dominion Day. That really marks Canada's Annual debut for all summery sports, be they baseball, rodeo or cross-country hikes.

The mention of going barefoot reminds me to ask you. "Have you noticed that the best dressed babies this year are having their pictures 'tooked' unshod?" Neither Bonnie Prince Charley nor Shirley Temple's gold-plated Sue appear to own a pair of shoes between them... if we can go by the newspaper cuts.

The question is raised that possibly some of us would have better looking feet to-day if we had bared our tootsies more in our yesterdays. If you doubt that eschewing footgear early in life forestalls misshapen feet later in life, then maybe you doubt this too... that a child will have fewer decayed teeth if he has a happy home life! Yet one of the largest modern magazines makes that statement in a recent issue. It was written in stern seriousness too and they elaborated it with the follow-up that 'divorce and diet are more closely related than we may think.' It sounds to me like a fancy, high-priced way of saying that the way to a man's heart is through his stomach...

The subject of dining reminds us again that there is a whole summer before us in which we can eat picnic lunches to our heart's content. There are some of us so picnic-minded that we can enjoy a bowl of cornflakes in the sickly shade of a sapling and imagine we're having a whale of a time. But it's too much to expect that all our kith and kin feel that way too. The 'unbelievers' may take a lot of convincing to win them to the fold of the O.E.F. (Outdoors Eating Fraternity).

Please note these picnic pointers! If your menfolk think of sandwiches as two sliver-thin slices of bread crushed together with some soggy spread... chances are that's the kind you have been serving. And quit it! More appetizing results can be achieved by carrying along a loaf of bread (or better yet home baked buns) and the 'spread' in small jars and do the 'spreading ceremony' right on the scene.

One of these cartons that fruit jars come in make a fine lunch-supply kit. Take out half of the partitions, leaving room for buns and the partitioned portion will hold the jars for the above mentioned sandwich fillings. Other jars can hold pickles, fruit salad, cottage cheese. And still other jars should be filled with lemonade and coffee.

To simplify coffee making prepare a strong coffee brew at home, making it about three times as strong as desired, then dilute it later with more boiling water.

... Save any cardboard egg cartons that come your way and you'll discover how handy they are when you're picnic-bent. Not only to carry hard-cooked eggs but also for small fruits like plums and pears. Small cookies and cakes too can be fitted so snugly into these containers...

Possibly the chief male objection to a picnic is its lack of hot foods... Well then surprise your husband (as well as yourself), by baking a crock of beans or macaroni and

Make up your mind to work only before a picnic... not during or after it! And this means, naturally, that there must be a sparse minimum of dishes used. Even if it means foregoing the purchase of new slacks and sun goggles, do invest in a generous supply of cardboard plates and cups. Then you can sing with a right good will, "HAPPY days are here again!"

I do believe there is an especial magazine for every subject under the sun... moon... or stars! I ran across a new magazine the past month simply titled "COOK BOOK". It contained 1,000 grand recipes and just oodles of good advice on all phases of home cooking. I've really been having myself a field day trying out some of the recipes.

Because there is nothing better than COOKIES to pop into odd corners of any lunch basket I've been trying out several new cookie recipes and here are some I liked a lot!

COOKIE QINTS — 1½ cups (15 ounce can) of sweetened condensed milk; ½ cup peanut butter, and any ONE of the following: (1) 2 cups raisins, (2) 2 cups cornflakes, (3) 2 cups bran flakes, (4) 1 cup chopped nuts, (5) 2 cups chopped dates.

I divided the first mixture into three parts and tried out three of the five mixtures same day.

Drop by spoonfuls onto greased baking sheet. Bake in moderate oven 15 minutes or until light brown. Remove from pan at once.

This is not a large batch... only makes about 30 cookies but here is another one that makes enough for all the neighborhood and their children:

BRAN GINGER WAFERS

1 cup ready to eat bran.
1 cup light molasses.
¾ cup melted lard.
3 cups sifted flour.
2 tsp. soda.
½ tsp. salt.
½ tsp. allspice.
1½ tsp. ginger.

Mix together the first four ingredients. Then sift the last four dry ingredients together and combine with first mixture. Roll into a long roll and chill well in refrigerator. Cut into thin slices and bake on ungreased cookie sheet in moderate oven about 10 minutes.

Three is really my lucky number... and you'll think it is yours too if you try this third cookie recipe. All three are so different I can't decide which I liked the best.

CHOCOLATE BANANA COOKIES

2½ cups sifted flour.
2 tsp. baking powder.
½ tsp. salt.
¼ tsp. baking soda.
2/3 cup shortening.
1 cup sugar.
2 eggs.
1 pkg. semi-sweet chocolate morsels.
1 tsp. vanilla.
1 cup mashed bananas.

Cream shortening and sugar and add eggs beaten one at a time. Blend well and add melted chocolate bits. Add the sifted dry ingredients alternately with the mashed bananas. Drop by spoonfuls on ungreased cookie sheet. Bake in moderately hot oven 12 to 15 minutes. (Makes about 5 dozen cookies).

But in spite of the general popularity of cookies, they still have to take second place to sandwiches...

especially at picnics. This grand cooking magazine I'm quoting has this to say about sandwiches. "Make them hearty for picnics, dainty for parties and easy-to-eat for children. In every case let the filling be generous."

□ □ □

Home Canning Tips

SPOILAGE of canned foods can arise from only two causes, (1) the product was not cooked sufficiently long to destroy all the living organisms within the container, (2) the container was not sealed to prevent the entry of spoilage organisms from the surrounding atmosphere.

Success in home canning includes other factors as well, most important of which is the use of a high quality product. Fruits and vegetables should be harvested at their peak of flavor freshness and processed with a minimum of delay. Vegetables lose their flavor and become difficult to sterilize if they are left standing at room temperature for more than a few hours. Certain fruits such as grapes or cherries may be stored satisfactorily at refrigerated temperatures for a short time, but most fruits become soft and mouldy if stored for more than a day or two after they are ripe.

Foods which are normally home canned are classified as (1) acid, which includes substantially all of the fruits and also rhubarb and tomatoes, (2) low-acid, which includes most vegetables and meats. The acid foods may be canned successfully in jars immersed in a boiling water bath. Many housewives use the boiling water bath for canning vegetables as well, although it is neither as safe nor as fast as canning in a pressure canner. The low acid content of vegetables requires that they be given a much more severe sterilization treatment than that prescribed for fruits. Steam pressure of ten pounds for 1 hour has the same sterilizing effect as boiling water for 19 hours.

The dreaded botulinus organism which causes food poisoning fatalities in home canned foods each year can withstand boiling water temperatures for five hours. It is readily destroyed at the higher temperatures used in pressure canning. The toxic effect of botulinus can be destroyed by boiling the canned product before it is consumed. For this reason, all canned foods should be boiled immediately before eating.

Oven canning is satisfactory only under well defined conditions, and is neither a safe nor sound practice for any type of home canning.

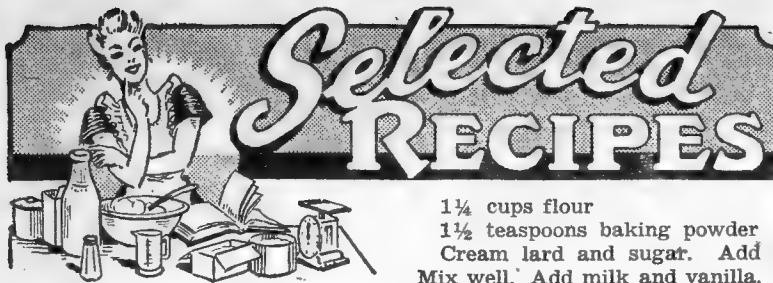
Containers for home canning should be without cracks, corrossions or defects to assure a perfect seal. Many of the rubber rings manufactured and sold in the past two years have imparted a disagreeable flavor to the canned product. This manufacturing defect has finally been corrected and home canners are warned to be sure that the rings which they purchase or use are free from disagreeable or stale odors.

A chart with the recommended cooking interval, temperature and pressure for each food may be obtained upon request to the Dominion Experimental Station, Morden, Man.

□ □ □

Preparing Fresh Pineapple

In preparing fresh pineapple, be sure to select a small, sharp knife with a pointed blade. Slice whole pineapple on a cutting board before starting to peel. Peel all slices and remove core as you work. Last of all, remove the eyes. Do this carefully to avoid waste.



MILK-BAKED VEAL

3½ pound shoulder of veal (boned and rolled)

1 teaspoon salt

Paprika

3 tablespoons shortening

6 tablespoons flour

¼ teaspoon white pepper

1 teaspoon salt

¼ teaspoon paprika

3 cups milk (more or less)

Season the veal with salt and sprinkle with paprika. Place in a small open roaster and bake uncovered in 300-degree oven for 90 minutes. Remove from oven and drain off liquid drippings. Melt shortening in saucepan. Stir in flour, salt, white pepper and paprika until smooth. Heat drippings together with enough milk so that, combined, they make one quart. Add slowly to flour-fat mixture and cook over low heat, stirring constantly until the sauce thickens. Pour slowly over veal in the roaster. Return to oven at the same temperature and bake uncovered about 45 minutes, or until veal is tender and browned, basting every 15 minutes. Remove to serving plate, pour sauce over and sprinkle with parsley for garnish.

MARSHMALLOW CHERRY COBBLER

Cobblers, like pies, were served by the early settlers, and, like pies, the recipes have been handed down from generation to generation.

2 cups unsweetened cherries

4 tablespoons sugar

2 tablespoons flour

¼ cup lard

½ cup sugar

¼ cup milk

16 marshmallows

¼ teaspoon almond flavoring

1 teaspoon lemon juice

1 egg

½ teaspoon vanilla

1 ¼ cups flour
1 ½ teaspoons baking powder
Cream lard and sugar. Add egg. Mix well. Add milk and vanilla. Mix. Sift together flour and baking powder. Add to sugar mixture. Blend. Place two-thirds of dough on well-floured board. Roll out.

Place cherries in dough-lined pan. Add almond flavoring to the lemon juice. Sprinkle over cherries. Mix together sugar and two tablespoons flour. Sift over cherries. Arrange marshmallows over all. Roll out remainder of dough and place over top of marshmallows. Crimp as for pie. Bake in a 375-degree oven for 50 minutes.

BUTTERSCOTCH NUT BREAD

1 egg

1 cup brown sugar

2 tablespoons shortening, melted

2 cups sifted all-purpose flour

½ teaspoon baking soda

¾ teaspoon baking powder

¼ teaspoon salt

1 cup buttermilk or sour milk

½ cup chopped nuts

2 teaspoons grated orange rind
Beat egg, add sugar gradually, beating until light and creamy. Add melted shortening and blend well. Mix and sift flour, soda, baking powder and salt and add to egg mixture alternately with the buttermilk or sour milk and stir until mixed. Add nuts and orange rind. Pour into a greased loaf pan, 9" x 5" and bake in a moderate oven, 350° F., for 1 hour. Yield: 1 loaf (cuts into about 24 slices).

MINT SAUCE FOR FRESH FRUIT

1 cup fresh mint leaves

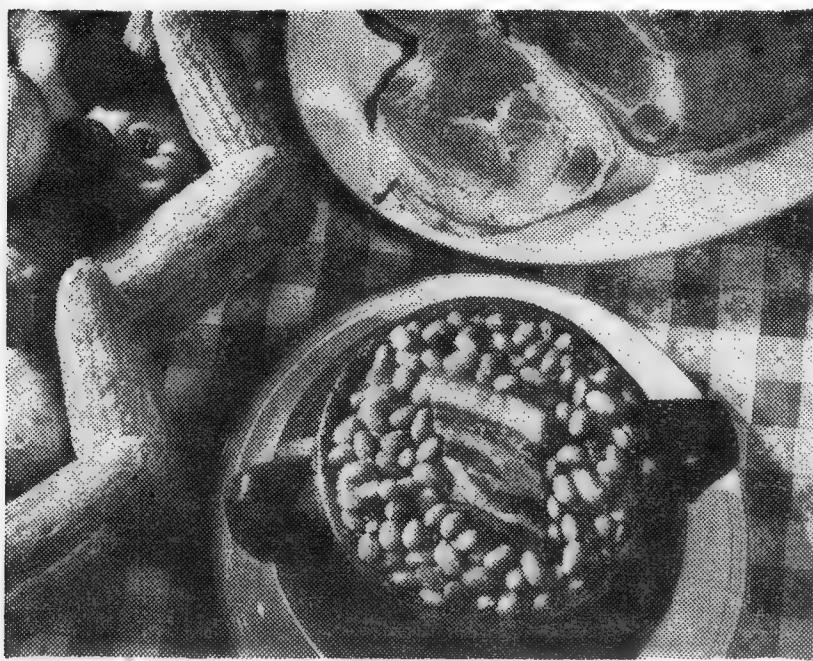
1 cup boiling water

½ cup corn syrup

½ cup honey

1 lemon, grated rind and juice

Chop mint leaves and pour boiling water over them. Add other ingredients and let stand in a cool place for two hours. Strain and serve over fresh fruit. Yield: six servings, about 1½ cups.



By LOUISE P. BELL

Beans and Ham — A grand combination for summer nights is baked beans, flavored by the salt pork or pork loin that is cooked with them, and served with home-made ham. Corn bread, either cut in big squares, or baked in corn-stick tins, goes well with this combination. It makes a good porch supper, and is easy to prepare. Fruit for dessert is about all else that is needed, except the family's favorite beverage, with milk for the youngsters.



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1 teaspoon granulated sugar

and stir until sugar is dissolved.

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Let stand 10 minutes, THEN stir well.

In the meantime, scald

3/4 cup milk

Remove from heat and stir in

1/4 cup granulated sugar

2-1/4 teaspoons salt

4-1/2 tablespoons shortening

Cool to lukewarm and add to yeast mixture; stir in

1/4 cup lukewarm water

Stir in

2-1/4 cups once-sifted bread flour

and beat until smooth; work in

2-1/4 cups more once-sifted bread flour

Turn out on lightly-floured board and knead dough lightly until smooth and elastic. Place in greased bowl, brush top with melted butter or shortening. Cover and set dough in warm place, free from draught. Let rise until doubled in bulk. While dough is rising, prepare

ORANGE FILLING

Combine in a saucepan

2-1/2 tablespoons corn starch

1/2 cup granulated sugar

Gradually blend in

1/3 cup cold water

1/3 cup orange juice



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(Continued on next page)

Spikes in the dust

By VINCENT LUNNY

JERRY BELL gobbled up a bad-hopping grounder, and tossed the ball to second base for a force play, ending an inning in the Hawks' practice game.

"That's the old pepper!" shouted Phil Weston, second baseman. "You'll be in the lineup regularly with me yet." The fledgling shortstop didn't answer but his jaw jutted out more than ever. A raw-boned kid with swivel hips and an arm like a bull whip, Jerry had ridden into the league on tons of printers' ink.

But the ballyhoo was not for Bell alone. Joint beneficiary of the praise was the kid at second base who had completed the force play. Bell and Weston had played together for four years in the minors, being nurtured as carefully as hot-house plants for their big league debut. The experts rated them the best keystone combination to come into the majors since Tony Lazzeri and Mark Koenig joined the Yankees in 1926.

Weston made the team easily, the Hawks had not started Bell yet in a league contest in their home stadium. A wild Irishman named Pat O'Toole clung to the shortstop position. He'd hit 26 homers last season and stole 30 bases — so what were the Hawks to do?

"Still trying, eh, kid," said Pat O'Toole as Bell came into the dugout. "Yeah, you're darn tootin' and I'll be in there every day yet," Bell replied, his voice rasping like spikes on a cement floor.

"Says who?" "I say — that's who."

Bell was quick-tempered and O'Toole liked to irk the rookies. "Think you're pretty good, eh?"

"Yeah!" "Yeah?"

"Weston and me've been playing in the Hawk chain for four years," Bell said with malice. "And we'll be playin' here when you're outa the league."

"Why you fresh young punk . . . O'Toole didn't finish. He just turned away.

Starting the next inning of the intra-club game, the Irishman went to short and it was Bell's turn to bat. He hit the first pitch solidly into right field. The next man up was another left-handed hitter. He got a piece of the ball. A slowroller! A double play ball. Bell left first with the crack of the bat. O'Toole, covering second, leaped to take the high throw from Weston, as Bell bore down.

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Bell was off at the crack of the bat.

The ball crashed into O'Toole's temple and spikes glistened in the afternoon sun. When the dust subsided, there was Bell with his leg hooked around the bag — safe!

The Irishman didn't move. He lay inert. His features were contorted and blood oozed through his stockings. Team mates carried O'Toole from the field and later an ambulance took him to Metropolitan Hospital. The trainer said he had concussion and a severed artery in the leg.

Joe Amble, brawny catcher, strode up to Bell when O'Toole had been carried from the diamond.

"You miserable rat! You spiked him on purpose!" he rasped. "You're crazy. Why would I do that?"

"To get into the game, of course. I saw you go in with your feet up."

The manager elbowed his way into the circle. "All right, gang." Dick Selkirk said. "Cut this stuff out and get into the dressing room. That's all for today."

Bell dressed slowly. No one asked him to join the rummy game. One of the pitchers went over to Weston. "Goin' out for a steak?" "Yeah."

Weston looked at Bell, started to say something and changed his mind. The young shortstop watched them leave.

The Hawks leaving that night on a road trip, took a series from the Braves and in Philadelphia. They defeated the Dodgers and the Giants and now, they were back at home facing the mighty Cards.

In a tight ball game the score was tied, starting the last half of the ninth inning. Bell's thoughts were jumbled as he sat on the bench awaiting his turn to bat. His mates hadn't spoken to him since the spiking, and with the continued silence a little knot grew in his stomach.

In the third inning he'd made a backhanded stop and off-balance throw to start a double play with the bases loaded. The applause that rumbled through the stands had been music in his ears but the muteness of the Hawks had stung him like a thousand bees.

Weston led off the last half of the ninth with a clean single and Amble sacrificed, pushing the tying run to second. It was Bell's turn. He started toward the plate.

"Hey, Bell, where do you think you're going?" Selkirk signalled him to the bench.

"Please, lemme take my cut," he pleaded.

Selkirk ignored him, trying to select a capable pinch-hitter.

"Aw, let the kid hit." The voice came from the door at the back of the dugout. "O'Toole was standing there, his head swathed in bandages.

"What are you doing here?" Selkirk demanded.

"They just let me out of the hospital," he replied. "As a favor, skipper, let the kid hit."

Selkirk's eyes twinkled. "Okay, Bell, take your cut."

The shortstop sauntered to the plate, adjusted his cap and waited for the pitch. He worked the count to three and one. The next pitch had to be good. It was . . . centre field, scoring Weston standing up.

O'Toole, limping a little, led the parade to the dressing room. The big Irishman went up to Bell.

"Nice going, kid," he said simply.

"I thought you two guys were cutting each others throats?" said Weston.

"We've never . . ."

The Irishman interrupted Bell. "Didn't you guys know that Bell came to visit me in the hospital after the spiking? No? Well, he only had a few minutes to catch the train for the last road trip but he gave me a blood transfusion which probably saved my life."

Amble's eyes flashed. "The least he could do after deliberately spiking you."

"Deliberately? Is that what you guys think?" Several players nodded. "Well, I'll be damned." O'Toole paused. "It was a pure accident, I remember that the ball hit me on the temple. As a matter of fact it came off the thumb of my glove. I fell into Bell's spikes."

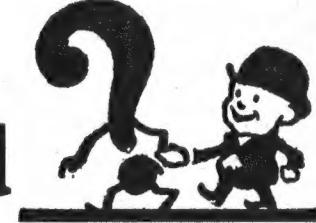
The room was alive with chatter. Ample was offering to buy Bell a dinner up town.

"No, you don't," said O'Toole. "Not tonight. The dinner is on me. I haven't thanked Jerry for the transfusion yet. You'll have lots of chances to treat Bell. The doc said today I can't play for quite a while so I guess he's going to be your regular shortstop."

He looked at Bell. "C'mon, kid, hurry up."

But Bell didn't hear. He was too busy listening to Amble telling how a team like the Hawks couldn't miss winning the pennant.

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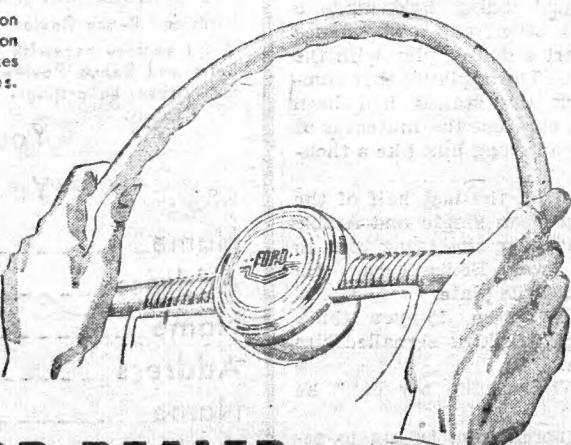
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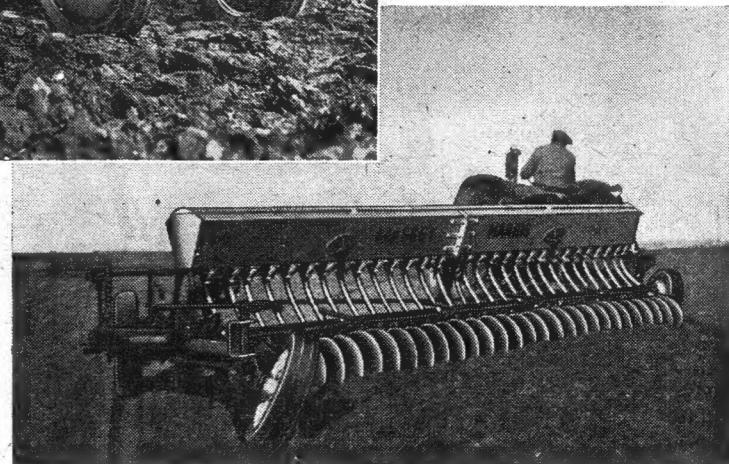
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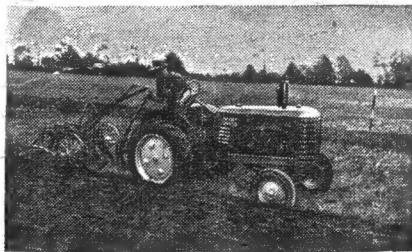
The No. 44 is a 3-4 plow tractor with 5-speed transmission, standard or row-crop design.



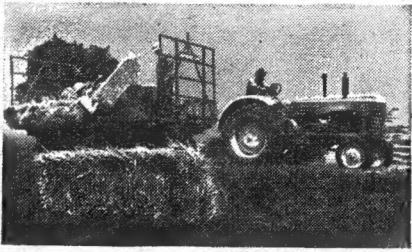
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**Let's beautify
our rural schools**

RURAL school grounds deserve to be the most attractive pieces of landscape in the district. The country school house is where many of tomorrow's leading citizens of the nation are acquiring their elementary education, forming character and developing interests. The building is the meeting place for many of the events of the community throughout the year.

Recognizing that human beings are what they are because of two factors,— their heredity, and their environment,— our surroundings are rated as vitally important.

First consideration is convenience. Walks are to be placed where pedestrians travel. Lacking needed walks, paths are certain to take form across the sward and even through shrubberies. In this northern latitude the second consideration is that of comfort. This is supplied by planting belts of trees to temper the force of cold winds. A shelterbelt is planted on the northern and western sides. A hedge row on the eastern side is desirable. As snowdrifts may accumulate through the shelterbelt and piled up on the playing fields, it is helpful to have an outer row of caragana, close-planted, placed at least thirty feet from the shelterbelt to trap the snow. Land is usually plentiful for the rural school, and generous space should be provided to allow for a snowtrap, shelterbelts and ample playing fields. Tree stock for the shelterplanting is provided free of cost f.o.b. by Forest Nursery Stations. Lacking space, — which is an unworthy situation, — a snowtrap may be improvised by planting the northern and western fences to native grape set about two feet apart, or by lining the fence with slat fencing.

A third consideration is incorporating beauty throughout the grounds. It is possible to have the school grounds rich in interest all through the year by the employment of trees and shrubs alone. Flower borders may be worked into the scheme by placing them in the bays of shrubbery. However, flower borders require considerable care and expense. Moreover, as the zenith of display is mostly during July and August, their beauty unfolds during the vacation season and the pupils will not be present to enjoy the colors and fragrances. Most rural schools are without flower borders. Others have the advantage of summer gaiety through the presence of many herbaceous plants adorned with attractive bright colors. These add charm that is appreciated when garden parties are staged at the school. (Morden)



"Say, Pop! I painted the milk stool today."